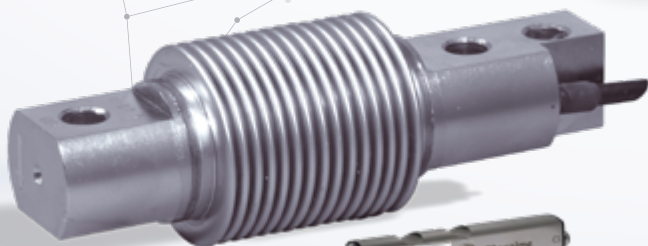




Catalog WEIGHING PRODUCTS



Our logistics offer...

You will find below the information relating to the standard offer of transport of the goods proposed by SCAIME. Delivery times are given as an indication only and SCAIME cannot be held responsible for any delay due to the carrier.

All shipments are followed by a tracking number transmitted by email for the follow-up of the delivery directly on the carrier's website.

IN METROPOLITAN FRANCE AREA

- EXPRESS PARCEL



EXPRESS

Valid for all orders sent to SCAIME before 12.00 a.m..
Packages accepted: non-palletised parcels up to 25 kg
Next-day delivery before 12.00 a.m. in mainland France, depending on the delivery address.
For remote areas not served by EXPRESS, next-day delivery by EXPRESS SAVER.

Other services on request depending on the destination, please contact us for availability and extracharges (delivery before 9.00 a.m., delivery to Corsica, delivery to UPS Access Point, Saturday delivery).

- PALLETS

Valid for all orders sent to SCAIME the day before departure.
Price conditions: please contact us



SCHENKER
SERVICE SCHENKERSYSTEM

Schenkersystem Delivery time: 24 to 72 hours depending on the destination
(not guaranteed)



SCHENKER
SERVICE SCHENKERTOP13

Schenkertop 13 Delivery time: next day before 1.00 p.m.
(to be confirmed according to destination)

TO INTERNATIONAL DESTINATIONS AND FRENCH OVERSEAS DEPARTMENTS AND TERRITORIES

- PARCELS

Valid for all orders sent to SCAIME before 12.00 a.m..
Packages accepted: non-palletised parcels up to 25 kg
Freight charges and delivery times: Express and standard services depending on destination,
please contact us by email: adv@scaime.com

EUROPE



HORS EUROPE



- PALLETS

Pallets by truck, air or sea: please contact us

For all special transport requests, please take contact with our Sales Administration Department directly - Tel. +33 (0)4 50 87 78 64 or per email : adv@scaime.com



Catalog WEIGHING PRODUCTS

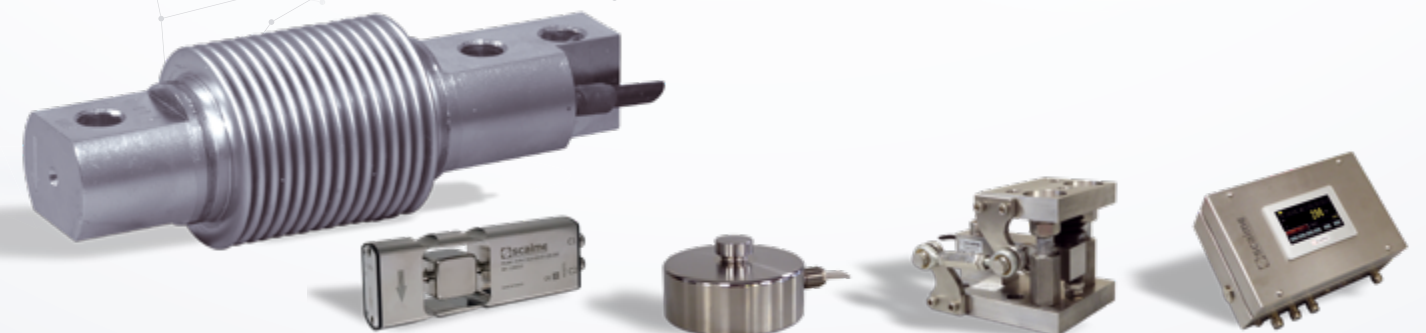


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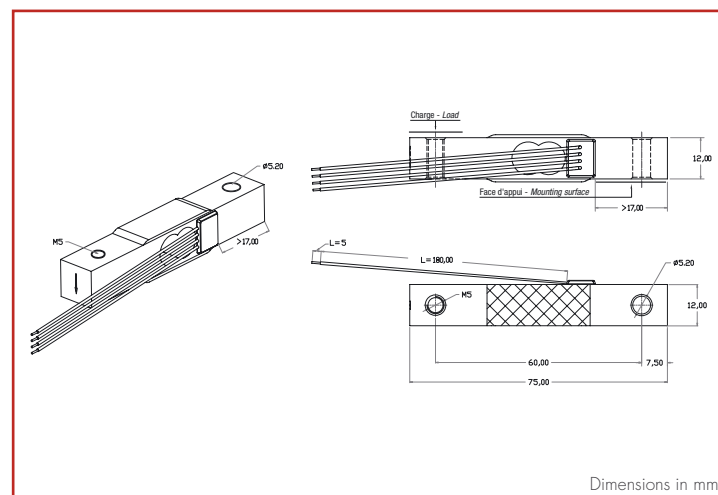
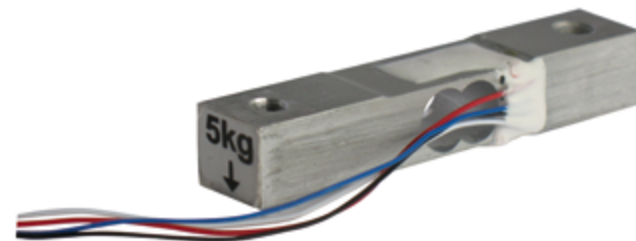
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ZFA ROD ENDS63



Load cells & Accessories

Single Point load cells...

- Aluminum construction
- Accuracy class: 0.1 %
- Compact and easy to install
- Ideally suited for low cost weighing and force measurement applications
- Off-center load compensated

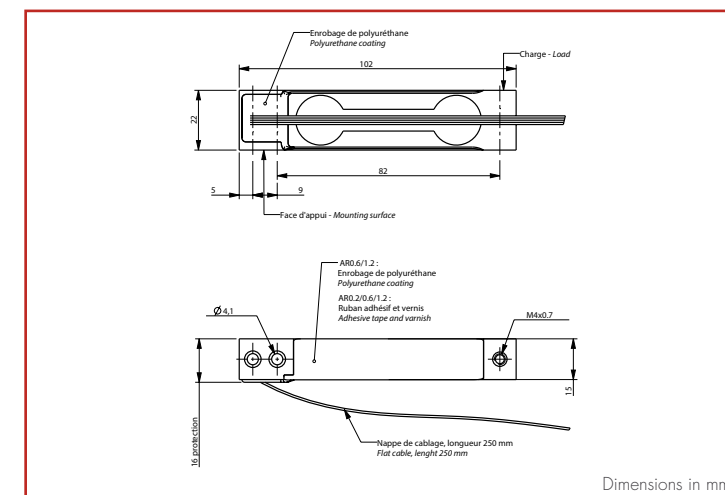
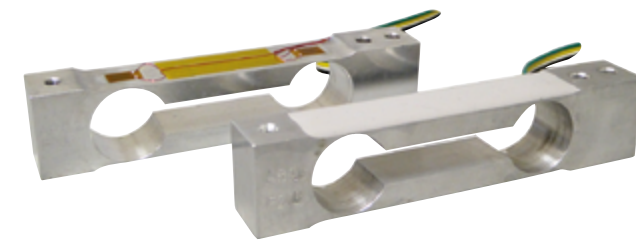


Signal at FS: 1.35 mV/V $\pm$ 1.5 %
 Combined error: $\pm$ 0.1 %FS
 Impedance (in/out): 1 000 Ω $\pm$ 25 / 1 000 Ω $\pm$ 25
 Compensated temperature range: +10 ... +40°C
 Platform size: up to 150 x 150 mm
 Cable/length: 4 independant wires / 180 mm
 Warranty: 1 year

+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White

[illegible]

- Aluminum construction
- Protection by varnish or coating (model 0.6, 1.2 kg)
- Very high precision, resolution up to 30 000 divisions
- Off-center load compensated
- Ideally suited for jewellery or laboratory scales



Signal at FS: 1 mV/V $\pm$ 1.5 %
 Combined error: $\pm$ 0.02 %FS
 Impedance (in/out): 410 Ω $\pm$ 20 / 350 Ω $\pm$ 5
 Compensated temperature range: +5 ... +35°C
 Platform size: up to 150 x 150 mm
 Cable/length: 4 wires flat cable / 0.25 m
 Warranty: 1 year

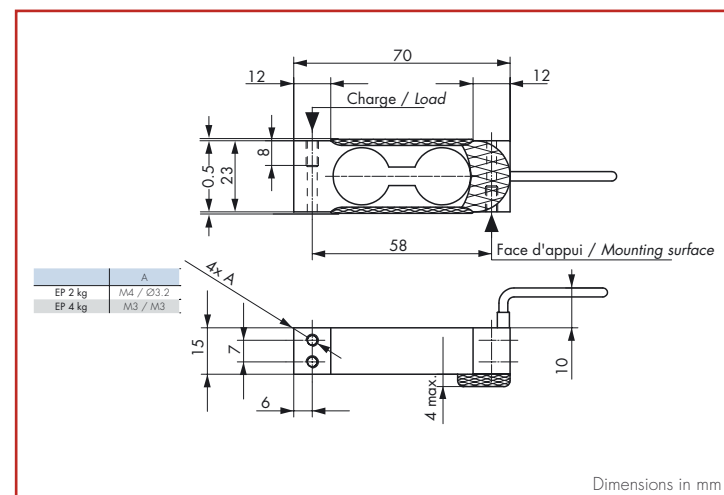
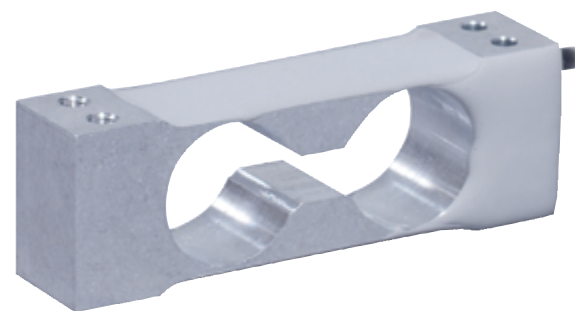
+ Excit.: Black | + Sign.: Yellow | - Sign.: White | - Excit.: Green

Replace: T-H 1004 (different dimensions)

[illegible]

EP
2 kg ... 4 kg

- Aluminum construction, protection class IP65
- Low profile design
- Off-center load compensated
- Accuracy class: 0.1 %



Signal at FS: 2 mV/V $\pm 10\%$
 Combined error: $\pm 0.05\%$ FS
 Impedance (in/out): $410\ \Omega \pm 15 / 350\ \Omega \pm 5$
 Compensated temperature range: $-10 \dots +40^\circ\text{C}$
 Platform size: up to 120 x 120 mm
 Cable/length: 4 shielded wires / 0.40 m
 Warranty: 1 year

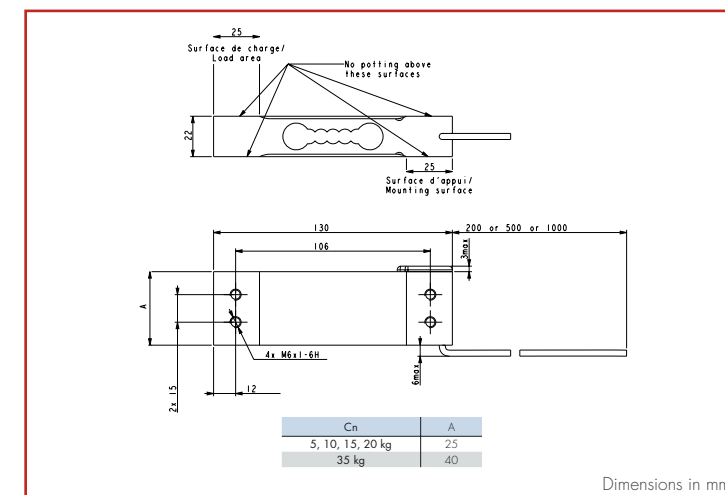
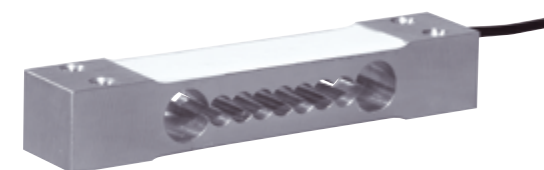
+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White

Replaces: BLH/NMB C2G1, HBM PW4F,Celtron LPS, PO 2 kg Scaime

[illegible]

AQ
5 kg ... 35 kg

- Aluminum construction, protection class IP65
- 3 000 d OIML R60 and 5 000 d NTEP approved
- Extremely compact construction
- Off-centered load compensated



Signal at FS: 2 mV/V $\pm$ 10 %
 Combined error: $\pm$ 0.017 %FS
 Impedance (in/out): 410 Ω $\pm$ 20 / 350 Ω $\pm$ 5
 Compensated temperature range: -10 ... +40°C
 Platform size: up to 350 x 350 mm
 Cable/length: 4 shielded wires / 0.5 m (35 kg = 1 m)
 Warranty: 1 year

+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White

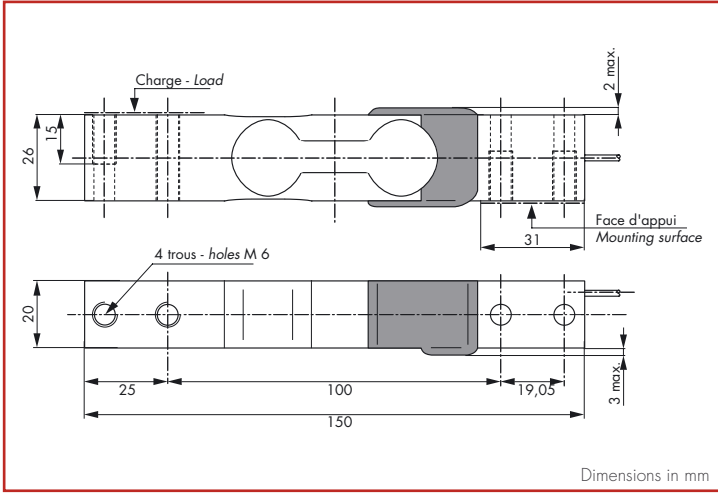
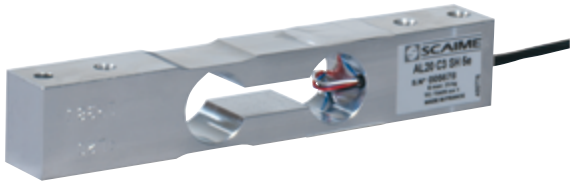
Replaces: T-H 1022, HBM PW6K, Celtron LPS, CAS BCL, BLH/NMB C2G1

[illegible]

Load cell - Single point

AL
3 kg ... 30 kg

- Aluminum construction, protection class IP65
- 3 000 d OIML R60 and 5 000 d NTEP approved
- Off-centered load compensated
- Low cost model for high volume production



Signal at FS: 2 mV/V $\pm$ 10 %
Combined error: $\pm$ 0.017 %FS
Impedance (in/out): 410 Ω $\pm$ 20 / 350 Ω $\pm$ 5
Compensated temperature range: -10 ... +40°C
Platform size: up to 300 x 350 mm
Cable/length: 4 shielded wires / 1 m
Warranty: 1 year

+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White

Replaces: TH 1040/1042, HBM SP4, RT 642, CAS BCA, (+ 14 mm spacer)

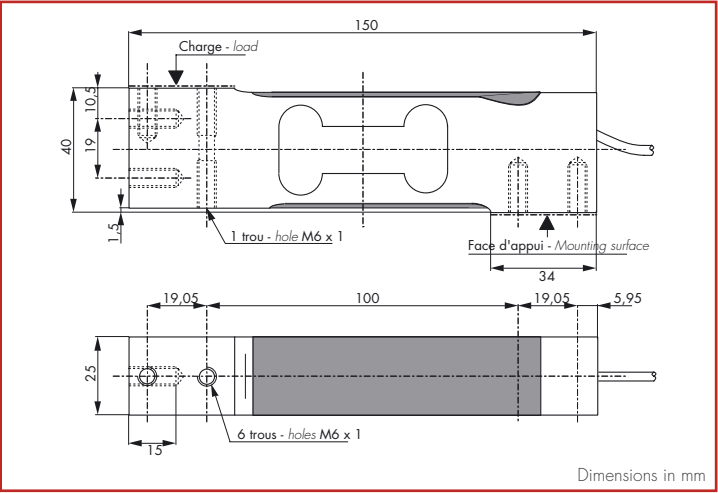
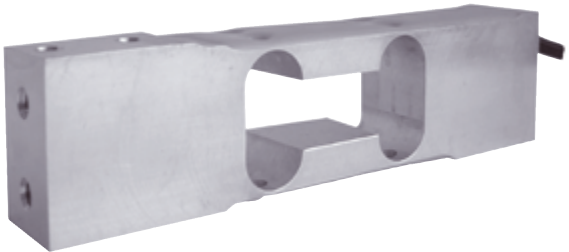
P/N	Designation	Cn	V _{min.}	DC
400778	LOAD CELL AL3 C3 SH 10e	3 kg	0.3 g	R1
400779	LOAD CELL AL5 C3 SH 10e	5 kg	0.5 g	R1
400781	LOAD CELL AL10 C3 SH 10e	10 kg	1 g	R1
400782	LOAD CELL AL15 C3 SH 10e	15 kg	1.5 g	R1
400784	LOAD CELL AL30 C3 SH 10e	30 kg	3 g	R1
Options:				
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850203	OPTIONAL PROTECTIVE COATING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2

FS: rated capacity / V_{min} = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of C_n / DC = Code put back

Load cell - Single point

AG2.5
2.5 kg

- Aluminum construction, protection class IP65
- 2 000 d OIML R60 approved
- Off-centered load compensated
- Ideal for low capacity scales and forcemeasurement



Signal at FS: 2 mV/V $\pm$ 10 %
Combined error: $\pm$ 0.025 %FS
Impedance (in/out): 410 Ω $\pm$ 15 / 350 Ω $\pm$ 5
Compensated temperature range: -10 ... +40°C
Platform size: up to 200 x 200 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 1 year

+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

Replaces: TH 1040/1042, HBM SP4, RT 642, ...

P/N	Designation	Cn	V _{min.}	DC
400703	LOAD CELL AG2.5 C2 NH 3e F TR	2.5 kg	1 g	R1
Options:				
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850203	OPTIONAL PROTECTIVE COATING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
850278	FACTORY MUTUAL MARKING FOR SCAIME LOAD CELLS IN HAZARDOUS AREAS			R2

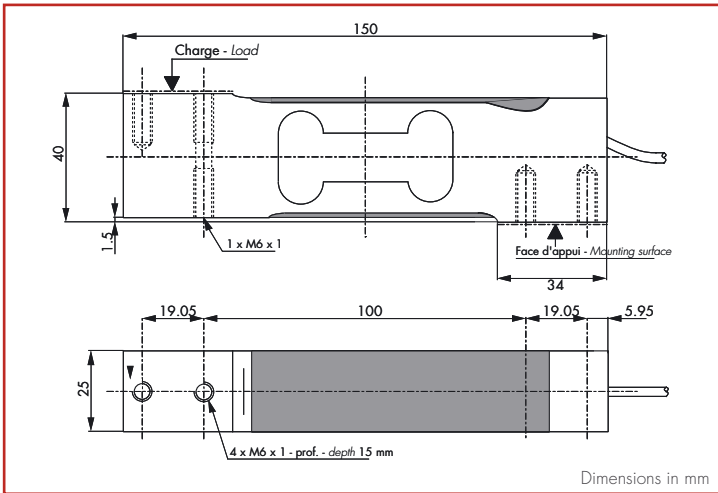
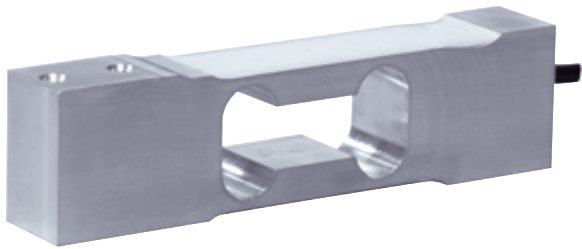
FS: rated capacity / V_{min} = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of C_n / DC = Code put back

Load cell - Single point

AG100 C3

5 kg ... 100 kg

- Aluminum construction, protection class IP65
- 3 000 d OIML R60 and 5 000 d NTEP approved
- Off-centered load compensated up to 400 x 400 mm
- Ideal for single point scales or batching/dosing machines



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink



Signal at FS: 2 mV/V $\pm$ 10 %
Combined error: $\pm$ 0.017 %FS
Impedance (in/out): 410 Ω $\pm$ 15 / 350 Ω $\pm$ 5
Compensated temperature range: -10 ... +40°C
Platform size: up to 400 x 400 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 1 year

Replaces: TH 1040/1042, HBM SP4, RT642, Celltron LOC, CAS BCA

P/N	Designation	Cn	V _{min.}	DC
Approved versions OIML C3, Y = 10 000				
400755	LOAD CELL AG10 C3 SH 10e F TR	10 kg	1 g	R1
400756	LOAD CELL AG15 C3 SH 10e F TR	15 kg	1.5 g	R1
400757	LOAD CELL AG20 C3 SH 10e F TR	20 kg	2 g	R1
400758	LOAD CELL AG30 C3 SH 10e F	30 kg	3 g	R1
400981	LOAD CELL AG50 C3 SH 10e F TR	50 kg	5 g	R1
400982	LOAD CELL AG75 C3 SH 10e F	75 kg	7.5 g	R1
400983	LOAD CELL AG100 C3 SH 10e F TR	100 kg	10 g	R1
Approved version OIML C3, Y = 5 000				
400716	LOAD CELL AG5 C3 SH 5e F TR	5 kg	1 g	R1
Options:				
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850203	OPTIONAL PROTECTIVE COATING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
850278	MARKING "FM" FOR LOAD CELLS CERTIFIED TO FM HAZLOC I.S., CL I, II, III / DIV 1 / GP ABCDEFG; N.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIFW			R2

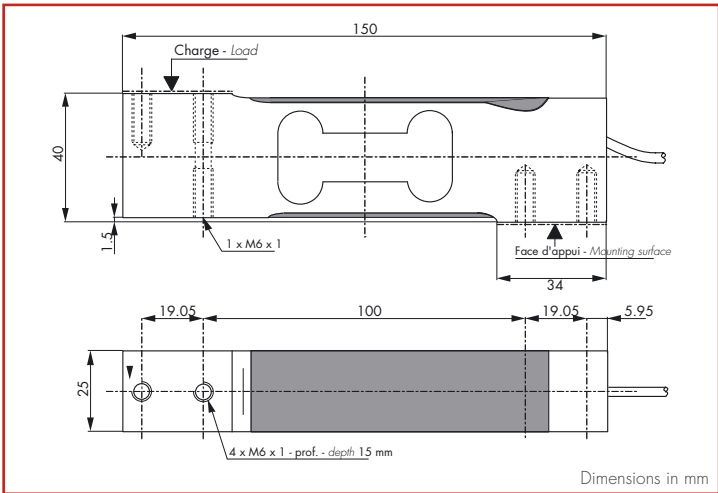
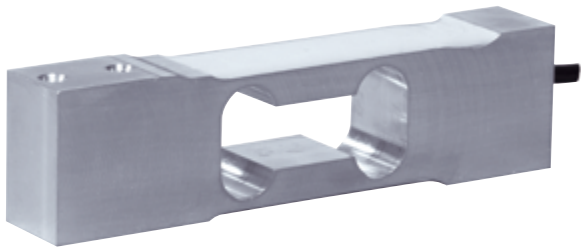
FS: rated capacity / V_{min} = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

Load cell - Single point

AG100 C6

18 kg ... 100 kg

- Aluminum construction, protection class IP65
- 6 000 d OIML R60 approved
- Off-centered load compensated up to 400 x 400 mm
- Ideal for single point multirange scales or batching/dosing machines



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink



Signal at FS: 2 mV/V $\pm$ 10 %
Combined error: $\pm$ 0.008 %FS
Impedance (in/out): 410 Ω $\pm$ 15 / 350 Ω $\pm$ 5
Compensated temperature range: -10 ... +40°C
Platform size: up to 400 x 400 mm
Cable: 6 shielded wires
Length: 3 m
Warranty: 1 year

Replaces: TH 1040/1042, HBM SP4, RT642, Celltron LOC, CAS BCA

P/N	Designation	Cn	V _{min.}	DC
Approved versions OIML C6, Y = 10 000 / 15 000 / 18 000				
400659	LOAD CELL AG18 C6 SH 18e F TR 3 m	18 kg	1 g	R1
400657	LOAD CELL AG36 C6 SH 18e F TR 3 m	36 kg	2 g	R1
400984	LOAD CELL AG50 C6 SH 10e F TR	50 kg	5 g	R1
400985	LOAD CELL AG75 C6 SH 15e F	75 kg	5 g	R1
400986	LOAD CELL AG100 C6 SH 10e F TR	100 kg	10 g	R1
Options:				
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850203	OPTIONAL PROTECTIVE COATING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2

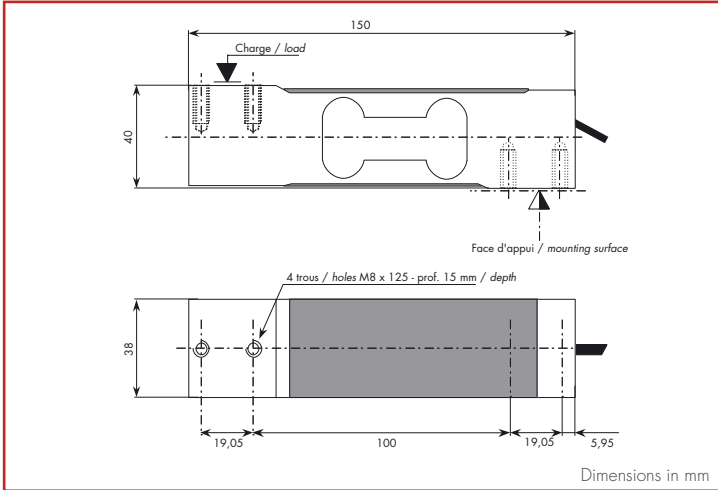
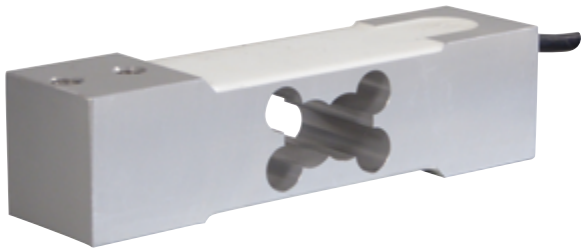
FS: rated capacity / V_{min} = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

Load cell - Single point

AH

50 kg ... 200 kg

- Aluminum construction, protection class IP65
- 6 000 d OIML R60 approved
- Off-centered load compensated
- Low profile design



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink



Signal at FS: 2 mV/V ±10 %
Combined error: ±0.017 %FS
Impedance (in/out): 410 Ω ±20 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Platform size: up to 500 x 500 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 1 year

Replaces: TH 1241, HBM PW10

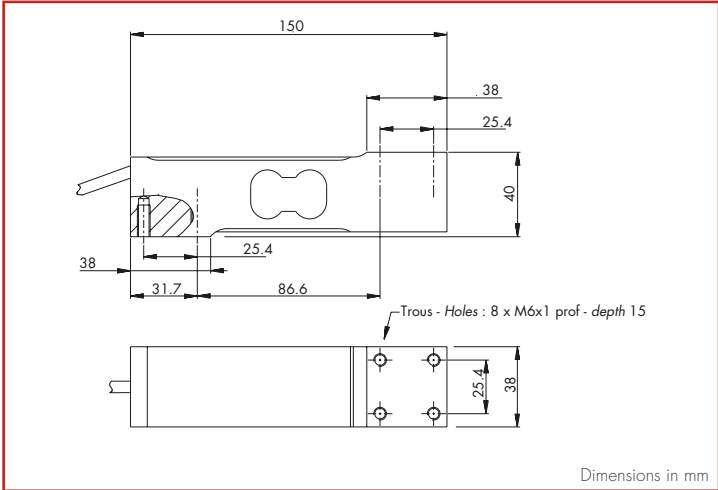
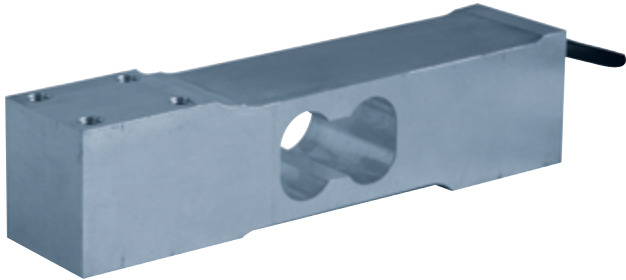
P/N	Designation	Cn	V _{min.}	DC
Approved versions OIML C3, Y = 10 000				
400920	LOAD CELL AH50 C3 SH 10e TR	50 kg	5 g	R1
400921	LOAD CELL AH100 C3 SH 10e TR	100 kg	10 g	R1
400922	LOAD CELL AH200 C3 SH 10e TR	200 kg	20 g	R1
Approved versions OIML C3, Y = 5 000: Consult us				
Approved versions OIML C6, Y = 10 000				
400990	LOAD CELL AH50 C6 SH 10e F	50 kg	5 g	R1
400991	LOAD CELL AH100 C6 SH 10e F	100 kg	10 g	R1
400992	LOAD CELL AH200 C6 SH 10e F	200 kg	20 g	R1
Options:				
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850203	OPTIONAL PROTECTIVE COATING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2

Load cell - Single point

AHN

250 kg

- Aluminum construction, protection class IP65
- 4 000 d OIML R60 approved
- Off-centered load compensated
- Low profile design
- 4 fixing holes



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink



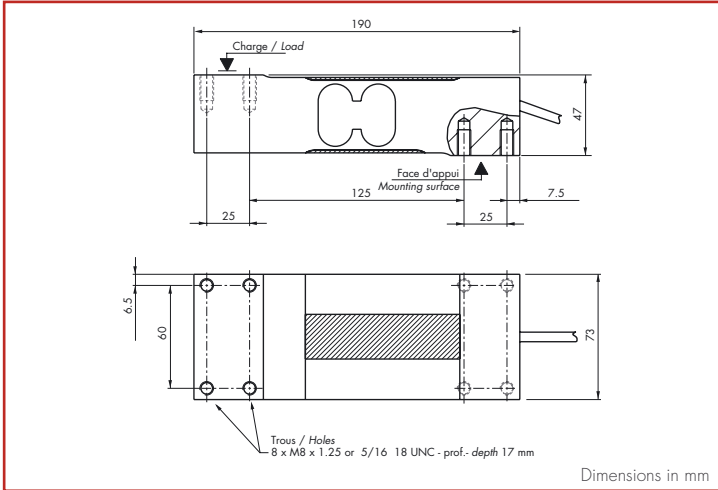
Signal at FS: 2 mV/V ±10 %
Combined error: ±0.013 %FS
Impedance (in/out): 410 Ω ±20 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Platform size: up to 500 x 500 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 1 year

Replaces: TH 1241, HBM PW10

P/N	Designation	Cn	V _{min.}	DC
Approved version OIML C4, Y = 10 000				
400923	LOAD CELL AHN250 C4 SH 10e TR	250 kg	25 g	R1
Options:				
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850203	OPTIONAL PROTECTIVE COATING			R1

AP
75 kg ... 635 kg

- Aluminum construction, protection class IP65
- 3 000 d OIML R60 and 5 000 d NTEP approved
- Off-center load compensated
- Super flat construction



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink



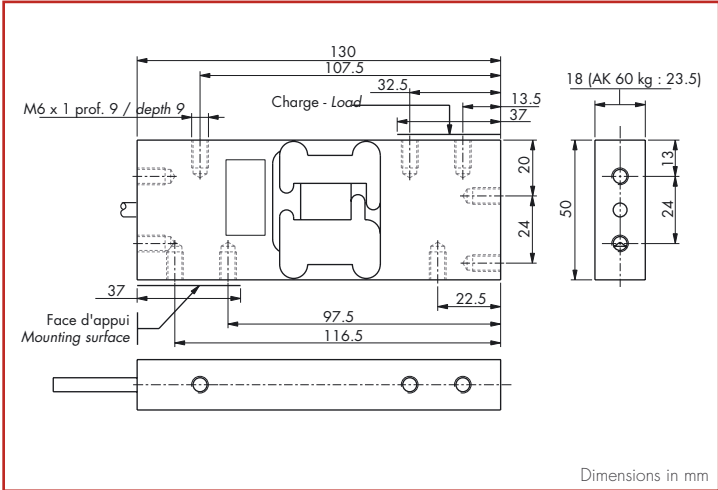
Signal at FS: 2 mV/V ±10 %
Combined error: ±0.017 %FS
Impedance (in/out): 410 Ω ±20 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Platform size: up to 700 x 700 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 1 year

Replaces: TH 1250, HBM PW12, RT 652, Celtron LOC, CAS BCM,
Sensortronics 60060 (+ scale 28 mm)

P/N	Designation	Cn	V _{min.}	DC
Approved versions OIML C3, Y = 10 000				
400913	LOAD CELL AP75 C3 SH 10e F TR	75 kg	7.5 g	R1
400914	LOAD CELL AP100 C3 SH 10e F TR	100 kg	10 g	R1
400915	LOAD CELL AP150 C3 SH 10e F TR	150 kg	15 g	R1
400916	LOAD CELL AP200 C3 SH 10e F TR	200 kg	20 g	R1
400917	LOAD CELL AP300 C3 SH 10e F TR	300 kg	30 g	R1
400918	LOAD CELL AP500 C3 SH 10e F TR	500 kg	50 g	R1
400919	LOAD CELL AP635 C3 SH 10e F TR	635 kg	63.5 g	R1
Options:				
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850203	OPTIONAL PROTECTIVE COATING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2

AK 60
6 kg ... 60 kg

- Stainless steel construction, hermetically welded (IP68)
- Suited for use in humid environments
- 3 000 d OIML R60 and 5 000 d NTEP approved
- Optimized for dynamic weighing



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink



Signal at FS: 2 mV/V ±10 %
Combined error: ±0.017 %FS
Impedance (in/out): 385 Ω ±20 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Platform size: up to 420 x 420 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 3 years

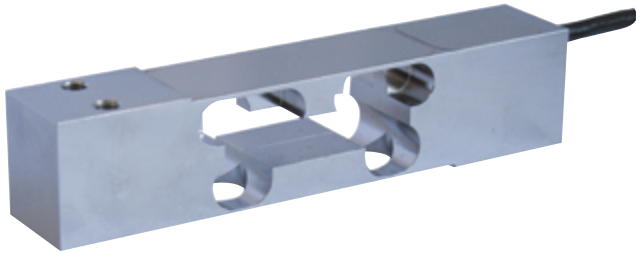
Replace: RT HPS

P/N	Designation	Cn	V _{min.}	DC
Approved versions OIML C3, Y = 12 000				
403003	LOAD CELL AK6 C3 CH 12e	6 kg	0.5 g	R1
403008	LOAD CELL AK12 C3 CH 12e	12 kg	1 g	R1
403013	LOAD CELL AK30 C3 CH 12e	30 kg	2.5 g	R1
403018	LOAD CELL AK60 C3 CH 12e	60 kg	5 g	R1
Options:				
850397	OPTIONAL HIGH CORROSION RESISTANCE PAINTING			R1
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2

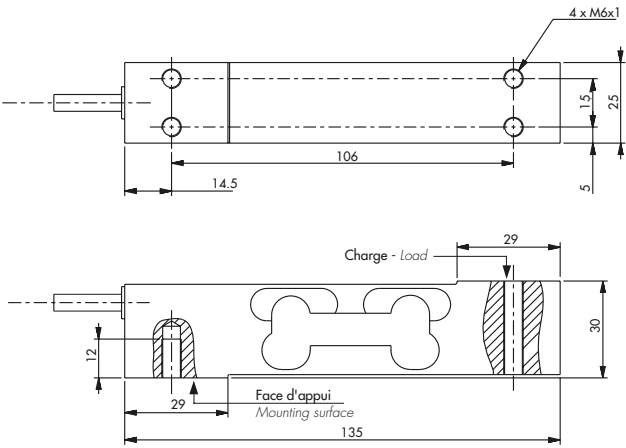
Load cell - Single point

AXL
10 kg ... 75 kg

- Stainless steel construction, hermetically welded (IP68)
- 3 000 d OIML R60 approved
- Ideally suited for platform scales in humid environments
- Off-center load compensated
- Patented design to combine high accuracy and high environmental protection level



Signal at FS: 2 mV/V $\pm$ 10 %
Combined error: $\pm$ 0.017 %FS
Impedance (in/out): 385 Ω $\pm$ 20 / 350 Ω $\pm$ 5
Compensated temperature range: -10 ... +40°C
Platform size: 400 x 400 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 3 years



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

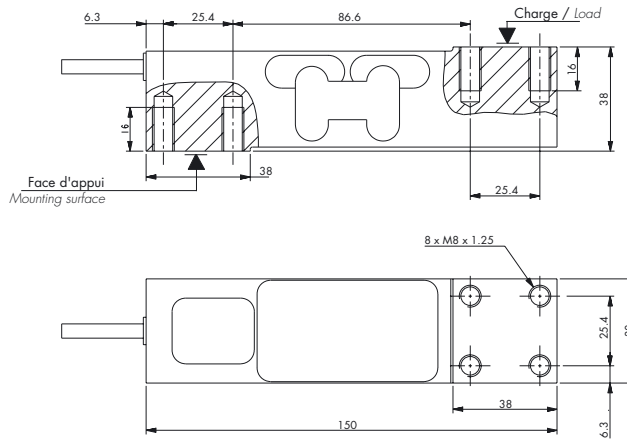
Load cell - Single point

AXH
100 kg ... 500 kg

- Stainless steel construction, hermetically welded IP68/IP69K
- 3 000 d OIML R60 approved
- Ideally suited for single point scales in humid environments
- Off-center load compensated
- Patented design to combine high accuracy and high environmental protection level



Signal at FS: 2 mV/V $\pm$ 10 %
Combined error: $\pm$ 0.017 %FS
Impedance (in/out): 385 Ω $\pm$ 20 / 350 Ω $\pm$ 5
Compensated temperature range: -10 ... +40°C
Platform size: 600 x 600 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 3 years



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

P/N	Designation	Cn	V _{min.}	DC
403030	LOAD CELL AXL10 C3 CH 5e	10 kg	2 g	R1
403032	LOAD CELL AXL20 C3 SH 10e	20 kg	2 g	R1
403034	LOAD CELL AXL50 C3 SH 10e	50 kg	5 g	R1
403035	LOAD CELL AXL75 C3 SH 15e	75 kg	5 g	R1
	Options:			
850397	OPTIONAL HIGH CORROSION RESISTANCE PAINTING			R1
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex Ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2

FS: rated capacity / V_{min} = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

P/N	Designation	Cn	V _{min.}	DC
403037	LOAD CELL AXH100 C3 CH 10e	100 kg	10 g	R1
403038	LOAD CELL AXH250 C3 CH 12e5	250 kg	20 g	R1
403040	LOAD CELL AXH500 C3 CH 10e	500 kg	50 g	R1
	Options:			
850397	OPTIONAL HIGH CORROSION RESISTANCE PAINTING			R1
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex Ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2

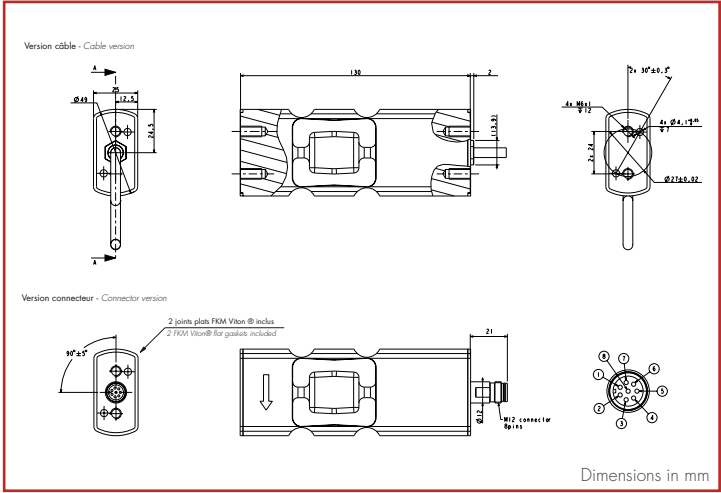
FS: rated capacity / V_{min} = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

AVS
15 kg ... 75 kg

- Hygienic single point load cell, EHEDG certified
- Stainless steel construction, sealed (IP68, IP69K)
- Approved up to 3 000 d OIML R60
- Aseptic design and easy to clean, ideally suited in food & beverage weighing applications
- Off-center load compensated
- Optional connector output
- Optional calibrated output signal



Signal at FS: 2 mV/V ±10 %
Combined error: ±0.017 %FS
Impedance (in/out): 385 Ω ±20 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Platform size: up to 600 x 400 mm
Cable/length: 6 shielded wires / 3 m or connector M12
Warranty: 3 years



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink
+ Excit.: 7 | + Sign.: 1 | - Sign.: 8 | - Excit.: 6 | + Sense: 3 | - Sense: 5

Replaces : HBM PW27

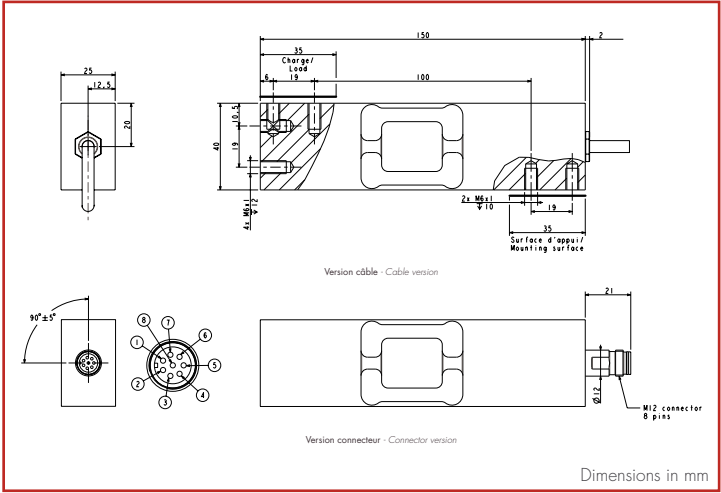
P/N	Designation	Cn	V _{min.}	DC
403131	LOAD CELL AVS 15 C3 CH 15e TR	15 kg	1 g	R2
403132	LOAD CELL AVS 30 C3 CH 15e TR	30 kg	2 g	R2
403133	LOAD CELL AVS 75 C3 CH 15e TR	75 kg	5 g	R2
CO8 Versions: 8 pins				
403137	LOAD CELL AVS 15 C3 CH 15e CO8	15 kg	1 g	R2
403138	LOAD CELL AVS 30 C3 CH 15e CO8	30 kg	2 g	R2
403139	LOAD CELL AVS 75 C3 CH 15e CO8	75 kg	5 g	R2
Accessory:				
CABLE WITH M12 8 POLES CONNECTOR				

AVX C3
7.5 kg ... 125 kg

- Made in stainless steel 1.4418 grade for use in salt environment (except 125 kg)
- Hermetically sealed (IP68, IP69K)
- Approved up to 6000 d OIML R60
- Ideally suited for scales or dosing machines used in wet environments
- Off-center load compensated
- Optional connector output
- Optional calibrated output signal



Signal at FS: 2 mV/V ±10 % / 1.96 mV/V ±0.1 %
Combined error: ±0.017 %FS (C3)
Impedance (in/out): 385 Ω ±20 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Platform size: up to 600 x 400 mm
Cable/length: 6 shielded wires / 3 m or connector M12
Warranty: 3 years



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

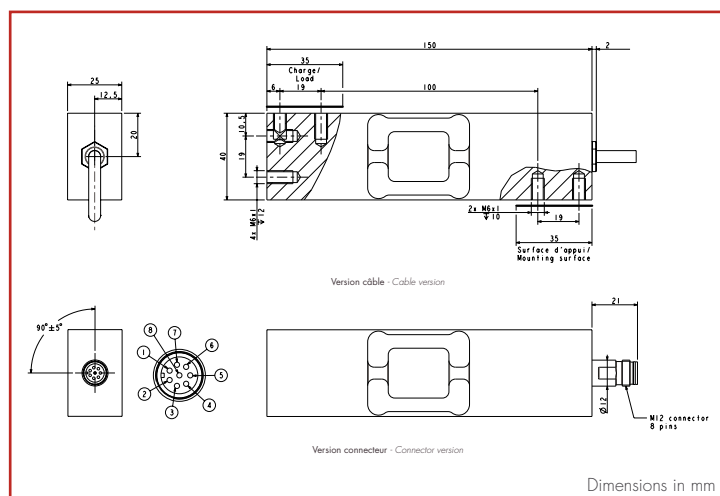
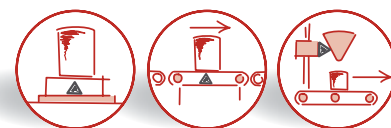
Replaces: HBM PW15

P/N	Designation	Cn	V _{min.}	DC
403186	LOAD CELL AVX7.5 C3 CH 15e TR	7.5 kg	0.5 g	R1
403183	LOAD CELL AVX15 C3 CH 15e TR	15 kg	1 g	R1
403184	LOAD CELL AVX30 C3 CH 15e TR	30 kg	2 g	R1
403185	LOAD CELL AVX75 C3 CH 15e TR	75 kg	5 g	R1
403167	LOAD CELL AVX125 C3 CH 15e TR	125 kg	8.33 g	R1
Versions with aligned output signal				
403146	LOAD CELL AVX15 C3 CH 15e TR MS	15 kg	1 g	R1
403147	LOAD CELL AVX30 C3 CH 15e TR MS	30 kg	2 g	R1
403148	LOAD CELL AVX75 C3 CH 15e TR MS	75 kg	5 g	R1
403165	LOAD CELL AVX125 C3 CH 15e TR MS	125 kg	8.33 g	R1
CO8 versions: 8 pins				
403182	LOAD CELL AVX7.5 C3 CH 15e CO8	7.5 kg	0.5 g	R1
403134	LOAD CELL AVX15 C3 CH 15e CO8	15 kg	1 g	R1
403135	LOAD CELL AVX30 C3 CH 15e CO8	30 kg	2 g	R1
403136	LOAD CELL AVX75 C3 CH 15e CO8	75 kg	5 g	R1
403168	LOAD CELL AVX125 C3 CH 15e CO8	125 kg	8.33 g	R1
CO8 versions with aligned output signal				
403149	LOAD CELL AVX15 C3 CH 15e CO8 MS	15 kg	1 g	R1
403150	LOAD CELL AVX30 C3 CH 15e CO8 MS	30 kg	2 g	R1
403151	LOAD CELL AVX75 C3 CH 15e CO8 MS	75 kg	5 g	R1
403166	LOAD CELL AVX125 C3 CH 15e CO8 MS	125 kg	8.33 g	R1
Accessory:				
CABLE WITH M12 8 POLES CONNECTOR				

AVX C6

15 kg ... 125 kg

- Made in stainless steel 1.4418 grade for use in salt environment (except 125 kg)
- Hermetically sealed (IP68, IP69K)
- Approved up to 6000 d OIML R60
- Ideally suited for scales or dosing machines used in wet environments
- Off-center load compensated
- Optional connector output
- Optional calibrated output signal



Signal at FS: 2 mV/V $\pm 10\%$ / 1.96 mV/V $\pm 0.1\%$

Combined error: $\pm 0.008\%$ FS

Impedance (in/out): $385\ \Omega \pm 20$ / $350\ \Omega \pm 5$

Compensated temperature range: $-10 \dots +40^\circ\text{C}$

Platform size: 500 x 400 mm

Cable/length: 6 shielded wires / 3 m or connector M12

Warranty: 3 years

+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

Replaces : HBM PW15

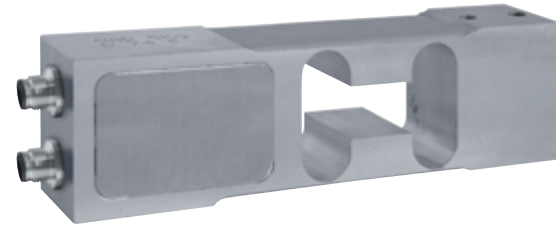
P/N	Designation	Cn	V _{min.}	DC
403140	LOAD CELL AVX 15 C6 CH 15e TR	15 kg	1 g	R1
403141	LOAD CELL AVX 30 C6 CH 15e TR	30 kg	2 g	R1
403142	LOAD CELL AVX 75 C6 CH 15e TR	75 kg	5 g	R1
403170	LOAD CELL AVX 125 C5 CH 15e TR	125 kg	8.33 g	R1
Versions with aligned output signal				
403152	LOAD CELL AVX15 C6 CH 15e TR MS	15 kg	1 g	R1
403153	LOAD CELL AVX30 C6 CH 15e TR MS	30 kg	2 g	R1
403154	LOAD CELL AVX75 C6 CH 15e TR MS	75 kg	5 g	R1
403172	LOAD CELL AVX 125 C5 CH 15e TR MS	125 kg	8.33 g	R1
CO8 versions: 8 pins				
403143	LOAD CELL AVX 15 C6 CH 15e CO8	15 kg	1 g	R1
403144	LOAD CELL AVX 30 C6 CH 15e CO8	30 kg	2 g	R1
403145	LOAD CELL AVX 75 C6 CH 15e CO8	75 kg	5 g	R1
403171	LOAD CELL AVX 125 C5 CH 15e CO8	125 kg	8.33 g	R1
CO8 versions with aligned output signal				
403155	LOAD CELL AVX15 C6 CH 15e CO8 MS	15 kg	1 g	R1
403156	LOAD CELL AVX30 C6 CH 15e CO8 MS	30 kg	2 g	R1
403157	LOAD CELL AVX75 C6 CH 15e CO8 MS	75 kg	5 g	R1
403173	LOAD CELL AVX 125 C5 CH 15e CO8 MS	125 kg	8.33 g	R1
Accessory:				
CABLE WITH M12 8 POLES CONNECTOR				

FS: rated capacity / v min = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

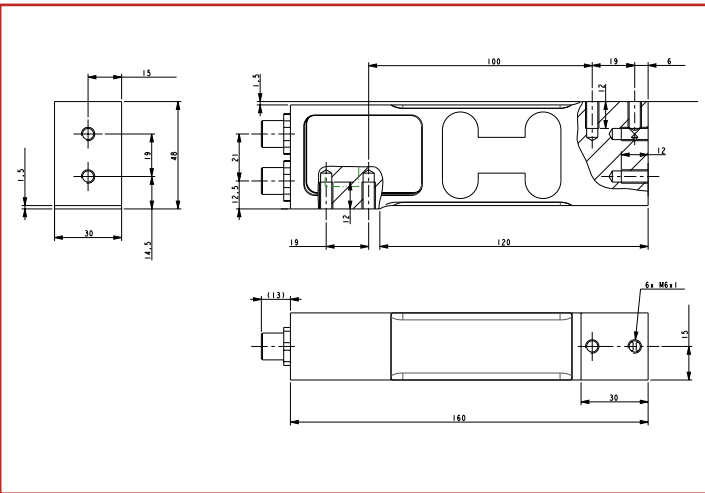


Load cells & Accessories

Digital load cells...



- 



The diagram illustrates a control system for a conveyor belt. A motor unit is connected to a CANopen interface module (labeled 'CANopen'). This module is connected to a PLC (Programmable Logic Controller) via a CAN bus. The PLC is also connected to an eNodeView (labeled 'eNodeView') via an RS485 Modbus interface. The conveyor belt system includes a motor, a pulley, and a sensor (labeled 'IE - I'). The sensor is connected to the CANopen interface module. The motor is connected to a power source (+VCC). The PLC is connected to a power source (+VCC) and a ground (GND). The eNodeView is connected to a power source (+VCC) and a ground (GND).



Pin	C1	C2
1	NC	E1 -
2	+ VCC	E1 +
3	GND	GND
4	CAN-H	TA / RA
5	CAN-L	TB / RB

The diagram illustrates a CANopen network configuration for a conveyor belt system. A conveyor belt with a motor and a package is shown. A control unit (eNode) is connected to the conveyor belt. The control unit has a CANopen interface with pins labeled 2E / 4S and 2I / 4O. The control unit is connected to a PLC (Programmable Logic Controller) via a CANopen network. The PLC is connected to a Modbus interface, which is then connected to an eNodeView software interface. The eNodeView interface displays a graphical representation of the conveyor belt system.



Pin	C1	C2
1	GND	E_{COM-}
2	+ VCC	E1 +
3	NC	E2 +
4	NC	S_{COM+}
5	CAN-H	S1
6	CAN-L	S2
7	TA / RA	S3
8	TB / RB	S4

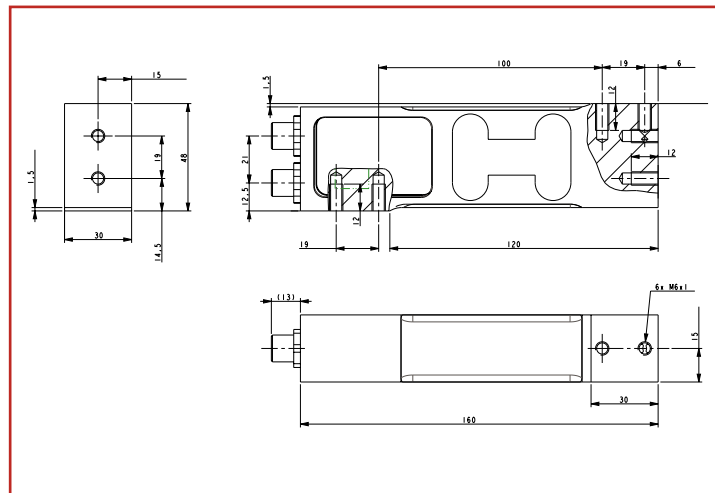
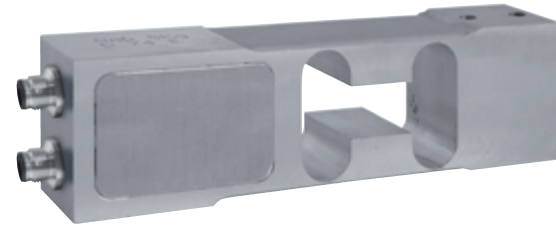
 24

AAD						-000
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[illegible]

5 kg ... 75 kg

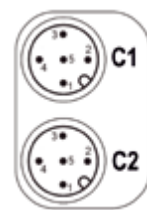
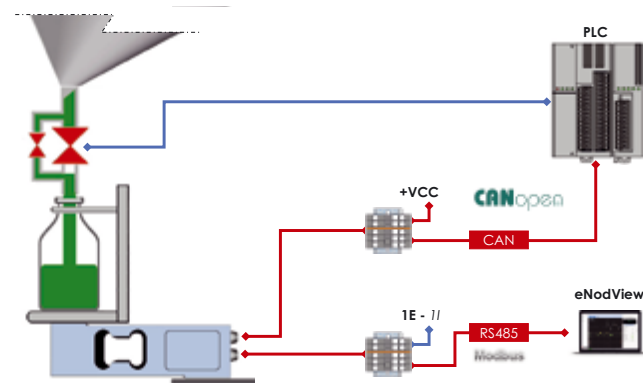
- Digital single point load cell
- Aluminum construction, IP65 protection level
- High accuracy load cell with compact design
- Function: dosing by filling and unloading
- 2 digital inputs and 4 outputs
- Port RS485 Modbus and port CANOpen
- Certification OIML R76, R51 (15kg...75kg)



Power supply: 10 ... 28 V
Resolution at FS: 500 000 d
Combined error: ± 0.019 %FS
Conversion: 24 bit, 6-1 600 meas./s.
Compensated temperature range: -10 ... +40°C
Output: on 2 x M12 5/8 pin IP67 connectors
Platform size: Up to 400 x 600 mm
Warranty: 1 year

Interfaces diagram, serial versions

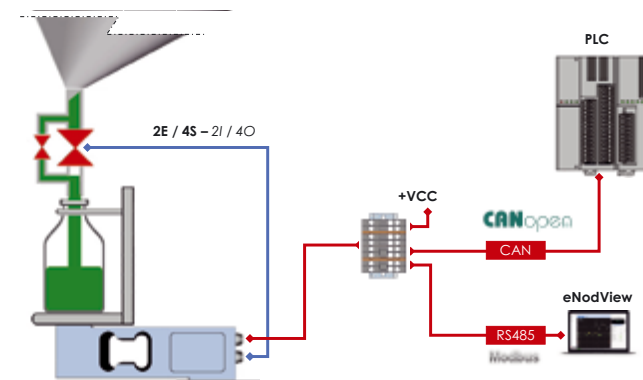
11A wiring: CAN, RS485, 1 digital Input



Pin	C1	C2
1	NC	E1 -
2	+ VCC	E1 +
3	GND	GND
4	CAN-H	TA / RA
5	CAN-L	TB / RB

▲ 2 connectors M12-5pts male

22A wiring: CAN, RS485, 2I / 4O



Pin	C1	C2
1	GND	E _{COM} -
2	+ VCC	E1 +
3	NC	E2 +
4	NC	S _{COM} +
5	CAN-H	S1
6	CAN-L	S2
7	TA / RA	S3
8	TB / RB	S4

▲ 2 connectors M12-8pts male

Ordering references

Logiciel applicatif – Application software	
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling

Capacité nominale – Rated capacity	
-005	5 kg
-015	15 kg
-030	30 kg
-075	75 kg

Métrologie légale – Legal for trade	
-000	Non certifié OIML – No OIML approved ⁽¹⁾
-M13	Certifié OIML 3000d – OIML approved 3000d ⁽¹⁾

Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU

Câblage – Wiring	
-11A	2xM12-5p, câblage CAN – 2xM12-5p, CAN wiring
-22A	2xM12-8p, câblage CAN – 2xM12-8p, CAN wiring

(1) 000 : Capacité 5kg (005) – 000: Capacity 5kg (005)

AAD						-000
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[illegible]

DVX-C

7.5 kg ... 75 kg

- Digital single point load cell
- Stainless steel construction, sealed IP68/IP69K
- Robust design for dynamic applications
- Function: High speed checkweigher, grading
- 2 digital inputs and 4 outputs
- Serial version: port RS485 Modbus and port CANOpen
- Ethernet version: EtherNet/IP, Profinet, Web server
- Certification OIML R76, R51(serial version 15kg...75kg)

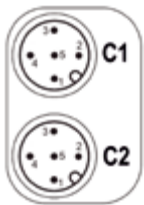
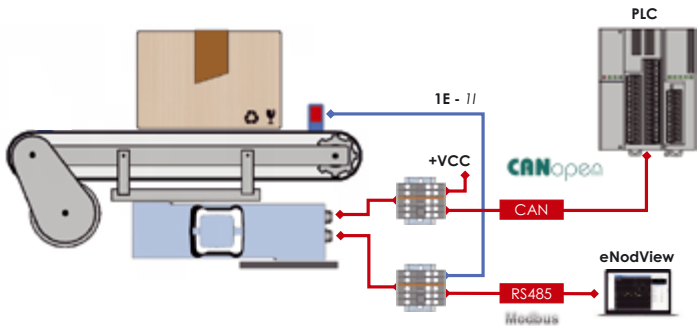


EtherNet/IP PROFINET CANopen Modbus

Power supply: 10 ... 28 V
Resolution at FS: 500 000 d
Combined error: $\pm 0.019\%$ FS
Conversion: 24 bits, 6-1 600 meas./s.
Compensated temperature range: -10 ... +40°C
Output: M12 5/8/12 pin connectors
Platform size: 400 x 400 mm
Warranty: 3 years

Interfaces diagram, serial versions

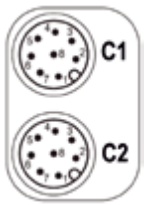
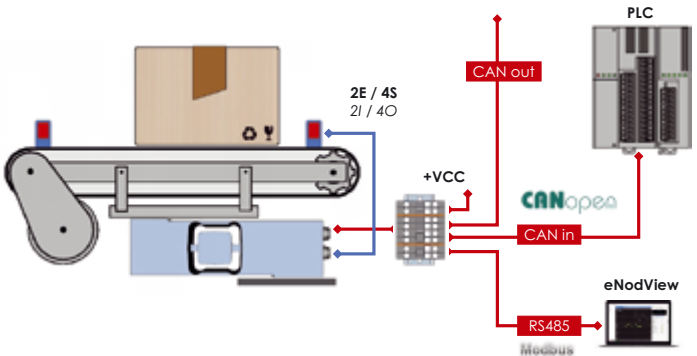
11A wiring: CAN, RS485, 1 digital Input



Pin	C1	C2
1	NC	E1 -
2	+ VCC	E1 +
3	GND	GND
4	CAN-H	TA / RA
5	CAN-L	TB / RB

▲ 2 connectors M12-5pts male

22A wiring: CAN output in Y, RS485, 2I / 4O



Pin	C1	C2
1	GND	E _{COM} -
2	+ VCC	E1 +
3	CAN-H in	E2 +
4	CAN-L in	S _{COM} +
5	CAN-H out	S1
6	CAN-L out	S2
7	TA / RA	S3
8	TB / RB	S4

▲ 2 connectors M12-8pts male

DVX-D

7.5 kg ... 75 kg

- Digital single point load cell
- Stainless steel construction, sealed IP68/IP69K
- Robust construction suitable for rotary fillers
- Function: dosing by filling and unloading
- 2 digital inputs and 4 outputs
- Serial version: port RS485 Modbus and port CANOpen
- Ethernet version: EtherNet/IP, Profinet, Web server
- Certification OIML R76, R61(serial version 15kg...75kg)

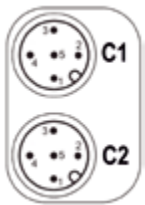
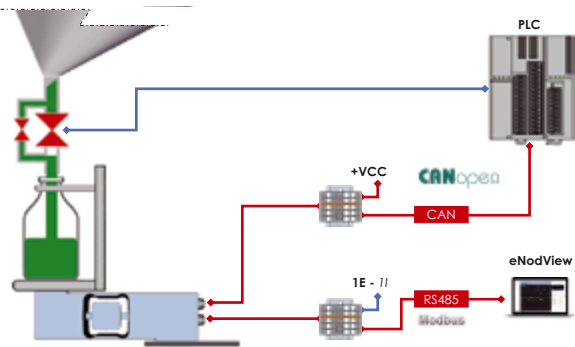


EtherNet/IP PROFINET CANopen Modbus

Power supply: 10 ... 28 V
Resolution at FS: 500 000 d
Combined error: $\pm 0.019\%$ FS
Conversion: 24 bit, 6-1 600 meas./s.
Compensated temperature range: -10 ... +40°C
Output: on M12 5/8/12 pin connectors
Platform size: 400 x 400 mm
Warranty: 3 years

Interfaces diagram, serial versions

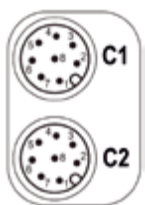
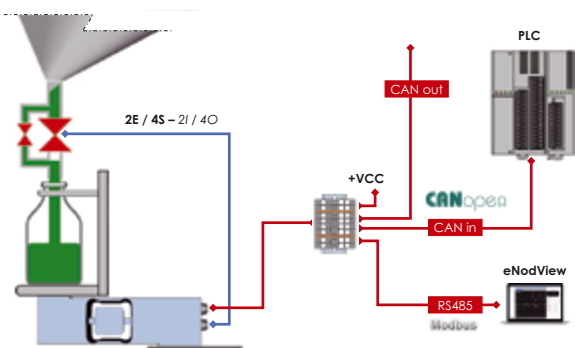
11A wiring: CAN, RS485, 1 digital Input



Pin	C1	C2
1	NC	E1 -
2	+ VCC	E1 +
3	GND	GND
4	CAN-H	TA / RA
5	CAN-L	TB / RB

▲ 2 connectors M12-5pts male

22A wiring: CAN output in Y, RS485, 2I / 4O

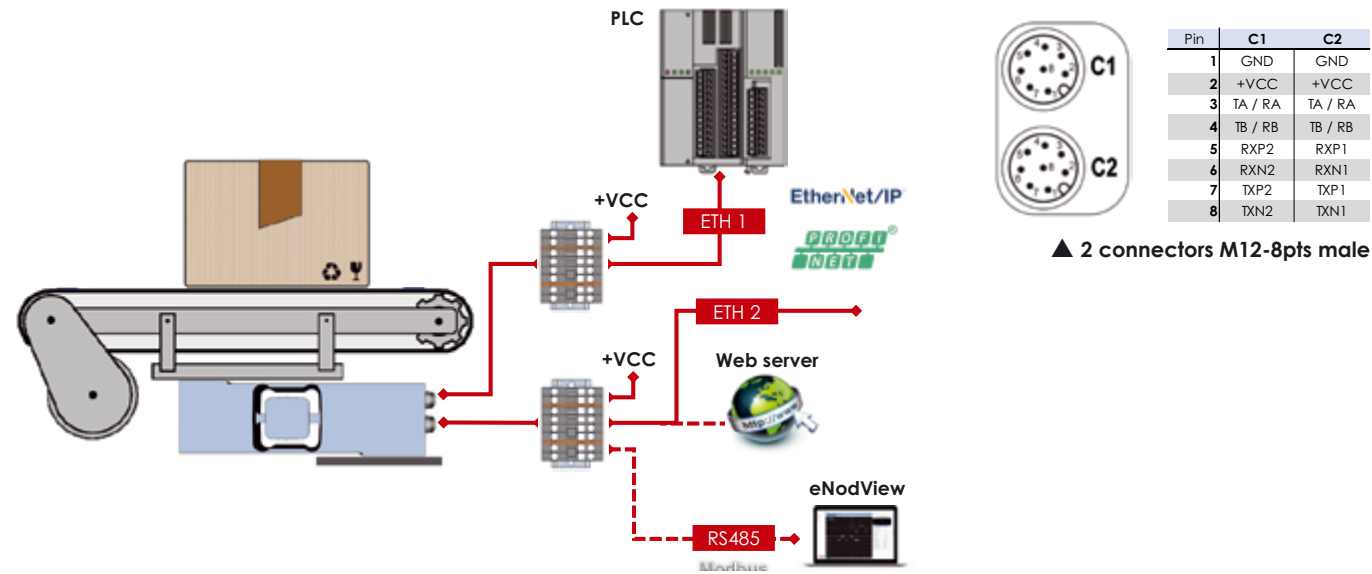


Pin	C1	C2
1	GND	E _{COM} -
2	+ VCC	E1 +
3	CAN-H in	E2 +
4	CAN-L in	S _{COM} +
5	CAN-H out	S1
6	CAN-L out	S2
7	TA / RA	S3
8	TB / RB	S4

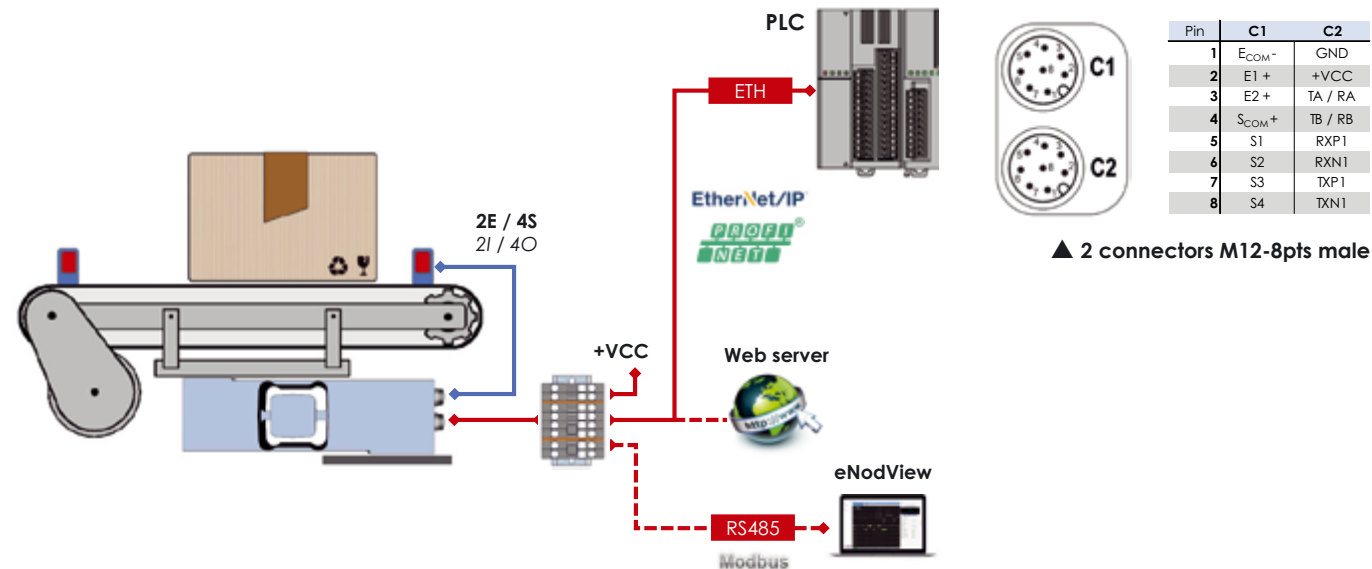
▲ 2 connectors M12-8pts male

Interfaces diagram, Ethernet version

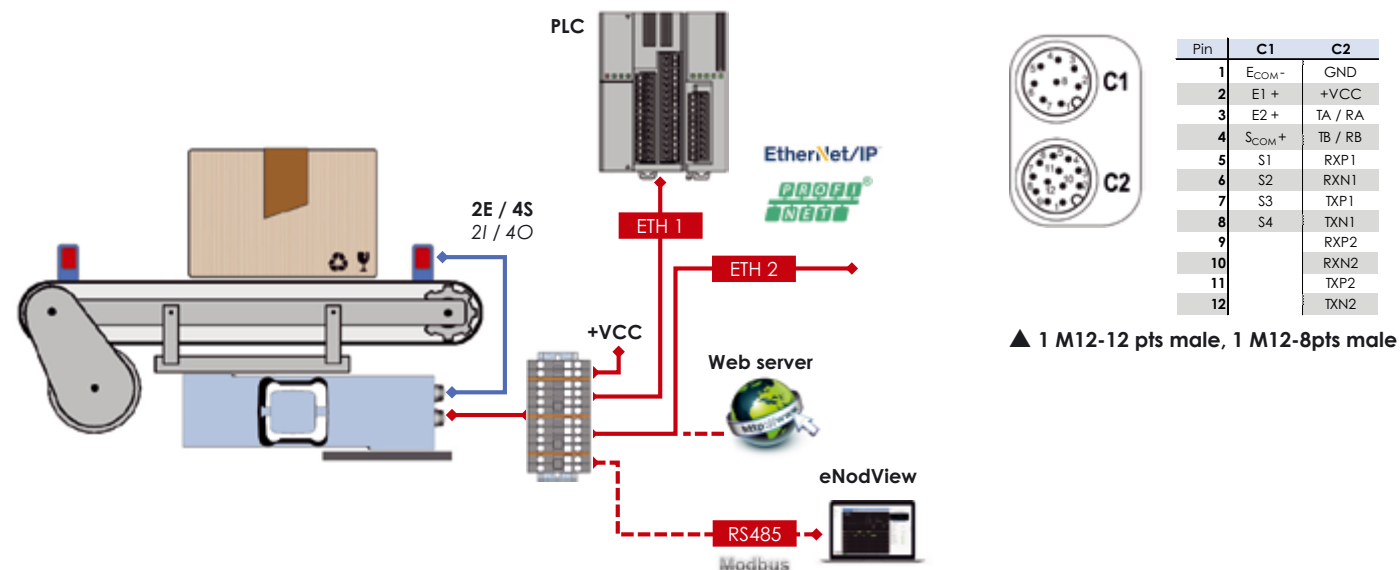
22B wiring: dual-Ethernet & switch, RS485



22C wiring: Single-Ethernet, RS485, 2I / 4O



32B wiring: dual-Ethernet & switch, RS485, 2I / 4O



Ordering references

Logiciel applicatif – Application software	
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling

Capacité nominale – Rated capacity	
-007	7.5 kg
-015	15 kg
-030	30 kg
-075	75 kg

Métrologie légale – Legal for trade	
-000	Non certifié OIML – No OIML approved ⁽¹⁾
-M13	Certifié OIML 3000d – OIML approved 3000d ⁽¹⁾

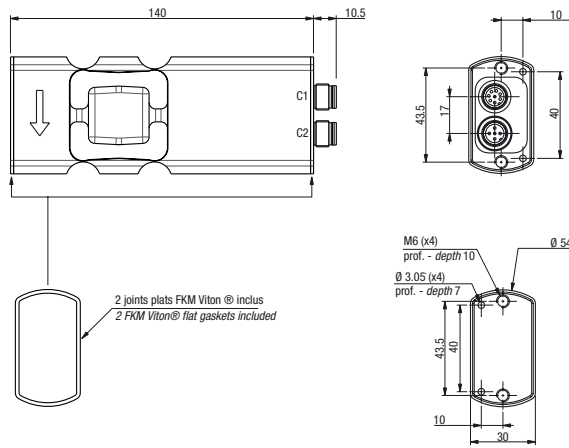
Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet

Câblage – Wiring	
-11A	2xM12-5p, câblage CAN – 2xM12-5p, CAN wiring ⁽²⁾
-22A	2xM12-8p, câblage CAN – 2xM12-8p, CAN wiring ⁽²⁾
-22B	2xM12-8p, câblage ETH Dual – 2xM12-8p, ETH Dual wiring ⁽³⁾
-22C	2xM12-8p, câblage ETH IO – 2xM12-8p, ETH IO wiring ⁽³⁾
-32A	1xM12-12p, 1xM12-8p, câblage ETH – 1xM12-12p, 1xM12-8p, ETH wiring ⁽³⁾

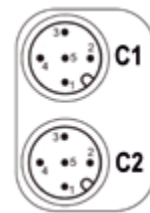
(1) 000 : Capacité 7.5kg (007) et Ethernet (EI, EP) – 000: Capacity 7.5kg (007) and Ethernet (EI, EP)
 (2) Uniquement avec connectivité SC – Only with SC connectivity
 (3) Uniquement avec connectivité EI, EP – Only with EI, EP connectivity

DVX						-000
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P/N	Designation	DC
	Accessories:	
640096	RS485/USB CONVERTER	R3
640100	5M CABLE WITH M12 5 POLES CONNECTOR	R4
640101	5M CABLE WITH M12 8 POLES CONNECTOR	R4
640103	2M CABLE WITH M12 5 POLES CONNECTOR	R4
640104	2M CABLE WITH M12 8 POLES CONNECTOR	R4
640113	5M PUR 4 TWEESTED PAIRS WITH SS M12 8 POLES CONNECTOR IP69K	R4
640114	5M PUR 6 TWEESTED PAIRS WITH SS M12 12 POLES CONNECTOR IP69K	R4



The diagram illustrates a CANopen network configuration for a robotic arm system. A robotic arm is shown with a motor and a gripper. The motor is connected to a CANopen node (represented by a circuit board) via a red line. This node is also connected to a PLC (Programmable Logic Controller) via a red line. The PLC is connected to a laptop labeled 'eNodView' via a red line. The laptop is also connected to the CANopen node via a red line. The CANopen node is connected to a power source labeled '+VCC' via a red line. The power source is connected to the PLC via a blue line labeled '1E - 11'. The PLC is connected to the CANopen node via a blue line labeled 'CAN'. The CANopen node is connected to the PLC via a blue line labeled 'RS485'. The PLC is connected to the CANopen node via a blue line labeled 'Modbus'.



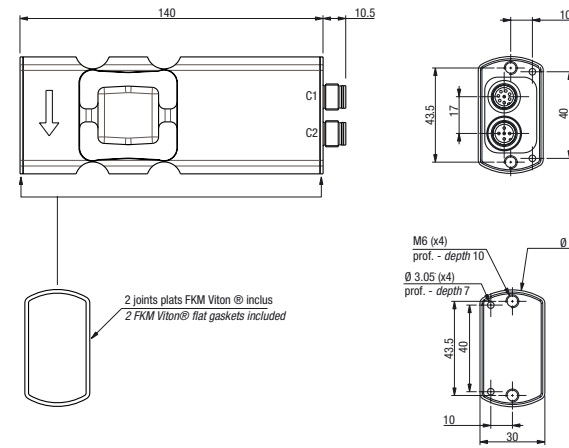
Pin	C1	C2
1	NC	E1 -
2	+ VCC	E1 +
3	GND	GND
4	CAN-H	TA / RA
5	CAN-L	TB / RB

The diagram illustrates the CANopen interface connection between a motor driver and a PLC. The motor driver, shown on the left, has a CANopen connector with pins labeled 2E / 4S and 2I / 4O. The PLC, shown on the right, has a CANopen connector with pins labeled CAN out and CAN in. The connection is made using a CANopen cable, which is connected to the motor driver's CANopen connector and the PLC's CANopen connector. The motor driver's CANopen connector is also connected to a CANopen network, which is connected to the PLC's CANopen connector. The motor driver's CANopen connector is also connected to a CANopen network, which is connected to the PLC's CANopen connector. The motor driver's CANopen connector is also connected to a CANopen network, which is connected to the PLC's CANopen connector.



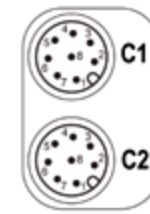
Pin	C1	C2
1	GND	E_{COM}^-
2	+ VCC	E1 +
3	CAN-H in	E2 +
4	CAN-L in	S_{COM}^+
5	CAN-H out	S1
6	CAN-L out	S2
7	TA / RA	S3
8	TB / RB	S4

32



Pin	C1	C2
1	NC	E1 -
2	+ VCC	E1 +
3	GND	GND
4	CAN-H	TA / RA
5	CAN-L	TB / RB

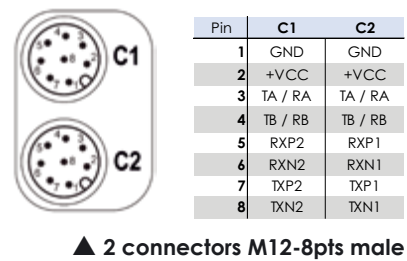
The diagram illustrates a CANopen node configuration for a valve actuator. On the left, a green liquid is being dispensed from a funnel into a bottle. A red valve actuator is connected to the bottle. A blue line labeled "2E / 4S - 2I / 4O" connects the actuator to a CANopen node (a small electronic module). The node is connected to a PLC (Programmable Logic Controller) and a laptop labeled "eNodView" via an RS485 connection. The node also has a +VCC power supply and a CAN In / CAN Out connection. The CAN In / CAN Out connection is labeled "CANopen" and "CAN In / CAN Out". The RS485 connection is labeled "RS485" and "Modbus".



Pin	C1	C2
1	GND	E_{COM}^-
2	+ VCC	E1 +
3	CAN-H in	E2 +
4	CAN-L in	S_{COM}^+
5	CAN-H out	S1
6	CAN-L out	S2
7	TA / RA	S3
8	TB / RB	S4

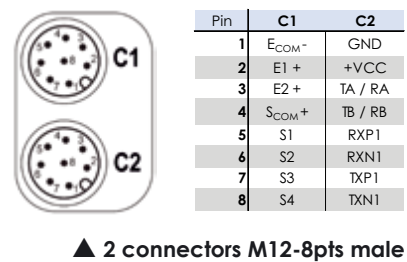
▲ 2 connectors M12-8pts male

22B wiring: dual-Ethernet & switch, RS485



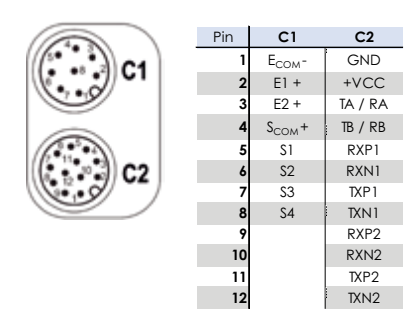
▲ 2 connectors M12-8pts male

The diagram illustrates a PLC-based control system for a conveyor belt. The PLC is connected to a 2E/4S 2I/4O module, which controls the conveyor belt. The PLC is also connected to a Web server via Ethernet (ETH) and to a Modbus interface via RS485. The Web server is connected to a Modbus interface via RS485. The Modbus interface is connected to a Modbus device via RS485. The Modbus device is connected to a Modbus interface via RS485. The Modbus interface is connected to a Modbus device via RS485.



▲ 2 connectors M12-8pts male

The diagram illustrates a PLC-based control system for a conveyor belt. The PLC is connected to a motor and a sensor via a 2E/4S and 2I/4O interface. The PLC is also connected to a Web server via Ethernet (ETH 1, ETH 2) and to a Modbus device via RS485. The Web server is connected to a laptop displaying eNodeView software.



▲ 1 M12-12 pts male, 1 M12-8pts male

Logiciel applicatif – Application software	
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling

Capacité nominale – Rated capacity	
-015	15 kg
-030	30 kg
-075	75 kg

Métrologie légale – Legal for trade	
-000	Non certifié OIML – No OIML approved ⁽¹⁾
-ML3	Certifié OIML 3000d – OIML approved 3000d ⁽¹⁾

Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet

Câblage – Wiring	
-11A	2xM12-5p, câblage CAN – 2xM12-5p, CAN wiring ⁽²⁾
-22A	2xM12-8p, câblage CAN – 2xM12-8p, CAN wiring ⁽²⁾
-22B	2xM12-8p, câblage ETH Dual – 2xM12-8p, ETH Dual wiring ⁽³⁾
-22C	2xM12-8p, câblage ETH IO – 2xM12-8p, ETH IO wiring ⁽³⁾
-32A	1xM12-12p, 1xM12-8p, câblage ETH – 1xM12-12p, 1xM12-8p, ETH wiring ⁽³⁾

- (1) HML: Ethernet (EI, EP) – HML: Ethernet (EI, EP)
- (2) Uniquement avec connectivité SC – Only with SC connectivity
- (3) Uniquement avec connectivité EI, EP – Only with EI, EP connectivity

DVS						-000
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P/N	Designation	DC
	Accessories:	
640096	RS485/USB CONVERTER	R3
640100	5M CABLE WITH M12 5 POLES CONNECTOR	R4
640101	5M CABLE WITH M12 8 POLES CONNECTOR	R4
640103	2M CABLE WITH M12 5 POLES CONNECTOR	R4
640104	2M CABLE WITH M12 8 POLES CONNECTOR	R4
640113	5M PUR 4 TWEESTED PAIRS WITH SS M12 8 POLES CONNECTOR IP69K	R4
640114	5M PUR 6 TWEESTED PAIRS WITH SS M12 12 POLES CONNECTOR IP69K	R4



Load cells & Accessories

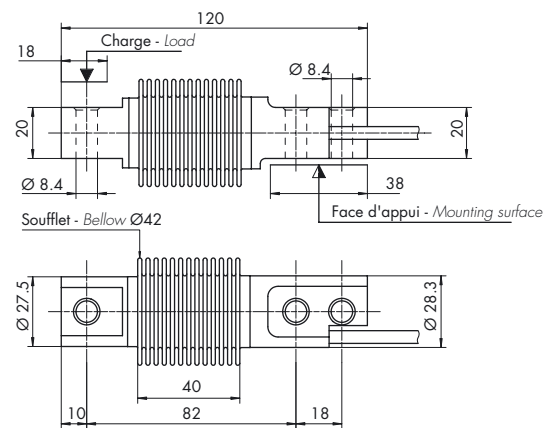
Bending Beam load cells...



-



Replaces: HBM Z6, TH 355, RT SHB, SCAIME F30X/F60T, Télémécanique SM3PX, MT MTB, PRECIA FA3000i, Master K FLX, Flintec SB8



Dimensions in mm

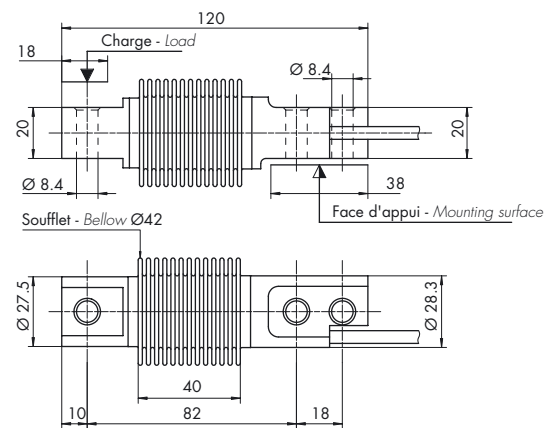
+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White

[illegible]

-
- A close-up photograph of a metal shaft, likely made of steel, featuring a threaded section and a hexagonal end. The shaft is oriented horizontally, with the hexagonal end on the left and the threaded section extending to the right. The hexagonal end has a central hole. The threaded section is composed of several parallel ridges. The background is a plain, light-colored surface.



Replaces: HBM Z6, TH 355, RT SHB, SCAIME F30X/F60T, Télémécanique SM3PX, MT MTB, PRECIA FA3000i, Master K FLX, Flintec SB8



Dimensions in mm

+ Excit.: Blue | + Sign.: White | - Sign.: Red | - Excit.: Black | + Sense: Green | - Sense: Grey

P/N	Designation	Cn	v _{min.}	DC
	Approved versions OIML C3, Y = 10 000			
402567	LOAD CELL F60X10 C3 CH 10e 6-W TR (6-wire)	10 kg	1 g	R1
402568	LOAD CELL F60X20 C3 CH 10e 6-W TR (6-wire)	20 kg	2 g	R1
402569	LOAD CELL F60X50 C3 CH 10e 6-W TR (6-wire)	50 kg	5 g	R1
402570	LOAD CELL F60X100 C3 CH 10e 6-W TR (6-wire)	100 kg	10 g	R1
402571	LOAD CELL F60X200 C3 CH 10e 6-W TR (6-wire)	200 kg	20 g	R1
402572	LOAD CELL F60X300 C3 CH 10e 6-W TR (6-wire)	300 kg	30 g	R1
402573	LOAD CELL F60X500 C3 CH 10e 6-W TR (6-wire)	500 kg	50 g	R1
	Options:			
850320	Optional 2mV/V ± 0.06% signal alignment for F60X			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
850278	MARKING "FM" FOR LOAD CELLS CERTIFIED TO FM HAZLOC I.S., CL I, II, III / DIV 1 / GP ABCDEFG; N.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIPW			R2
	Related products:			
	MTPFA			
	LOAD FOOT LFC 500 & LFD 500			
	RUBBERKIT FX			
	STABIFLEX F & FX			

ES: rated capacity / v_{min.} = minimal interval (according to cert. OIML R601) / C.F. = Combined error in % of Cn / DC = Code on back

-



Dimensions in mm

Replaces: HBM Z6, TH 355, RT SHB, SCAIME F30X/F60T, Télémécanique SM3PX, MT MTB, PRECIA FA3000i, Master K FLX, Flintec SB8

FS: rated capacity / v min = minimal interval | according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

-

Technical drawing of the 3000 series ball valve, showing front and side views with dimensions.

Front View Dimensions:

- Overall height: 210 ... 220
- Top flange thickness: 14
- Top flange diameter: 55
- Body height: 100
- Bottom flange thickness: 14
- Bottom flange diameter: M8

Side View Dimensions:

- Overall width: 30
- Ball diameter: Ø 4

Dimensions in mm

Consisting of: 2 brackets, 2 rod ends and 2 screws
 Warranty: 1 year
 For load cell: : F60X and F30X up to 200 kg

of total capacity / $\times$ time

LFC 500

- Made of nickel plated steel with elastomer pad
- Height adjustable
- Integrated articulation ($\pm 10^\circ$)
- Designed for low accuracy weighing scales



Technical drawing of a mechanical component. The drawing shows a side view and a top view. The side view dimensions are: a vertical dimension of 80, a horizontal dimension of 50, and a horizontal dimension of 60. The top view dimensions are: a vertical dimension of 80, a horizontal dimension of 50, and a horizontal dimension of 60. The component has a central vertical shaft with a thread labeled M8. The component is shown in a perspective view with a curved arrow labeled E indicating a rotation.

Type	UFC 500
Capacité nominale - Rated capacity	5 - 500 kg
A	51 - 58 mm
E	±10°
Couple de serrage - Tightening Torque	10 Nm
Dimensions - Dimensions	75 x 55 Slots A

Rubber hardness: 75 $\pm$ 5 Shore A
Warranty: 1 year
For load cell: F60X

42

LFD 500

- Made of stainless steel with elastomer pad
- Height adjustable
- Integrated articulation ($\pm 10^\circ$)
- Design for high accuracy scales

[illegible]

Nut tightening torque: 10 Nm
Rubber hardness: 75 ±5 Shore A
Warranty: 1 year
For load cell: F60X 5 ... 500 kg

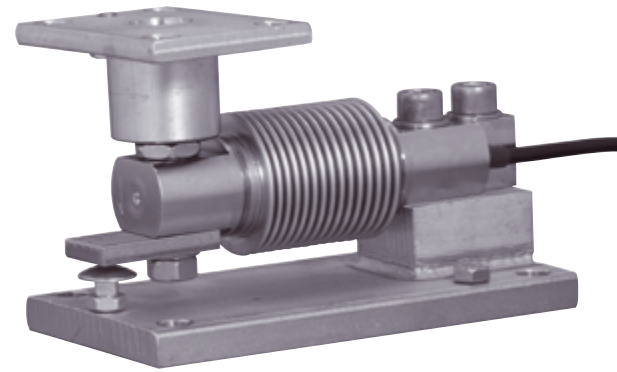
 43[illegible]

FS: rated capacity / v min = minimal interval according to cert. OIML R60 / C.E. = Combined error in % of Cn / DC = Code put back

[illegible]

Σ -scaled uncertainty / value = estimated relative error to get CMM D₀₁ / C — Combined error is % of C₀₁/D₀₁ = Code output back

- Designed for small tank or hopper weighing
- Made of stainless steel
- Easy installation
- Upper plate with rubber O-ring to compensate support plates misalignment
- Upper plate available separately



Plaque de base - Base plate

Plaque supérieure - Upper plate

Kit complet avec F60X - Complete kit with F60X

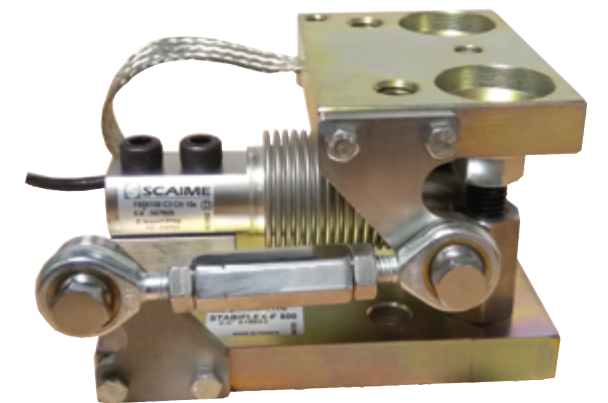
Plaque supérieure avec F60X - Upper plate with F60X

Non prévu pour résister aux efforts en traction
 Not designed to resist the traction loads

Dimensions in mm

Construction: Upper plate and base plate made of stainless steel
Axial static load : 300 kg max.
Warranty: 1 year
For load cell: F60X

- Designed for tank or hopper weighing
- Zinc plated or stainless steel construction
- Cross stoppers and lift off prevention included
- Ball-and-cup design for accurate weighing
- Integrated jacking bolts
- Optional stay rod to maintain the structure in dynamic application



Dimensions - Dimension [mm]				
pour - for F40X >>				
	S	500 kg	0,5 - 2t	5t
A	80	110	145	
A*	86	118	153	
C	100	110	120	
D	130	140	180	
E	15	18	20	
F	68	65	85	
G	27	31,6	43,4	
H	70	75	100	
J	70	75	100	
K	70	80	95	
L	15	20	25/27	
M	15	20	25/23	
N	12	16	20	
P	M12 X 1,75	M16 X 2	M20 X 2,5	

* : Vêris en position haute - Jack on high position

For load cell: F60X

[illegible][illegible]



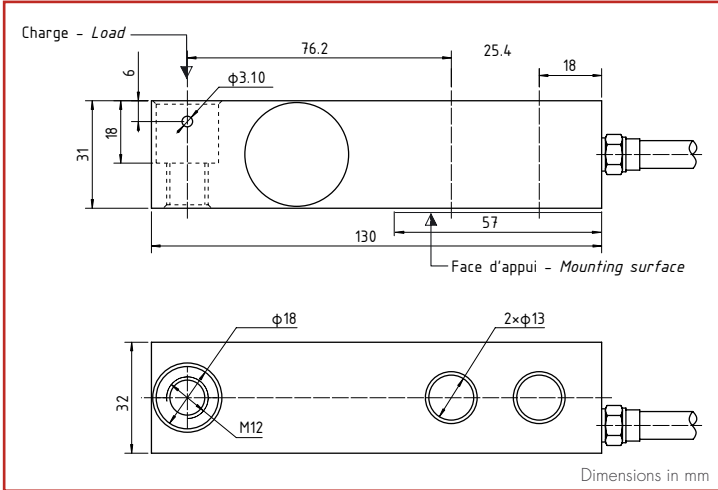
Load cells & Accessories

Shear Beam load cells...

SK10A 2T

500 kg ... 2 t

- Nickel plated construction
- Combined error 0.02 % of full scale
- Ideal for industrial weighing and load control applications
- IP67 protection level



Signal at FS: 2mV/V ±0.25 %
Combined error: ±0.02 %FS
Impedance (In/Out): 385 Ω ±10 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max: 200 %)
Cable/Length: 4 shielded wire / 6 m
Warranty: 1 year

+ Excit.: Red | + Sign.: Green | - Sign.: White | - Excit.: Black

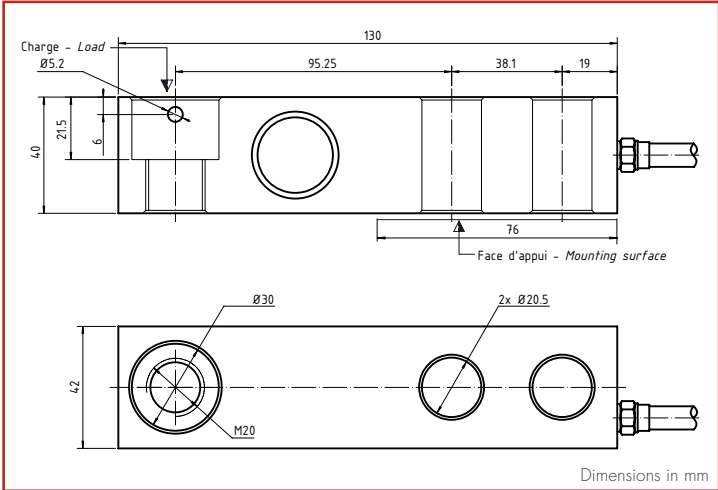
P/N	Designation	Cn	C.E.	DC
799350	LOAD CELL SK10A 500kg	500 kg	< ± 0.02 %	R1
799351	LOAD CELL SK10A 1000kg	1 000 kg	< ± 0.02 %	R1
799352	LOAD CELL SK10A 2000kg	2 000 kg	< ± 0.02 %	R1
850397	Option: OPTIONAL HIGH RESISTANCE PAINTING			R1
	Related products: LOAD FOOT LFA & LFC 2t ISO FLEX-S 2t STABIFLEX-SK 2t QUICKFITS 2t			

FS: rated capacity / v min = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

SK10A 5T

5 t

- Nickel plated construction
- Combined error 0.02 % of full scale
- Ideal for industrial weighing and load control applications
- IP67 protection level



Signal at FS: 2mV/V ±0.25 %
Combined error: ±0.02 %FS
Impedance (In/Out): 385 Ω ±10 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max: 200 %)
Cable/Length: 4 shielded wire / 6 m
Warranty: 1 year

+ Excit.: Red | + Sign.: Green | - Sign.: White | - Excit.: Black

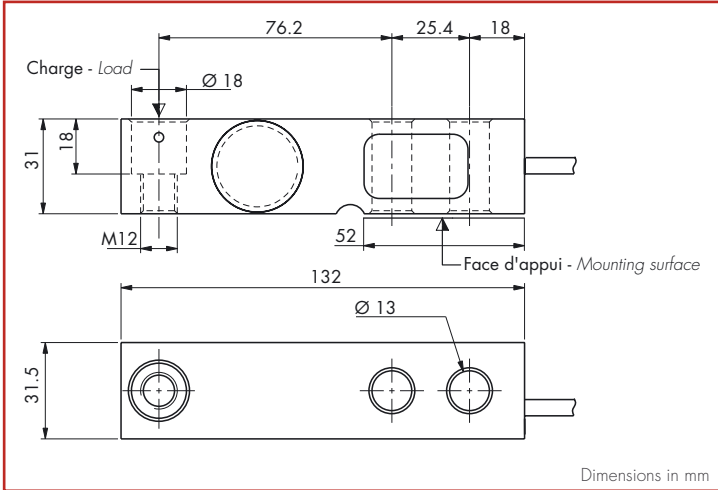
P/N	Designation	Cn	C.E.	DC
799353	LOAD CELL SK10A 5000kg	5 000 kg	< ± 0.02 %	R1
850397	Option: OPTIONAL HIGH RESISTANCE PAINTING			R1
	Related products: LOAD FOOT LFA & LFC 2t ISO FLEX-S 2t STABIFLEX-SK 2t QUICKFITS 2t			

FS: rated capacity / v min = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

SK30A 2T

500 kg ... 2 t

- Stainless steel construction, IP67 protection
- 3 000 d OIML R60 approved
- Current calibrated signal output for multi-load cells mounting
- Ideally suited for platform scales



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink



Signal at FS: 2 mV/V
Combined error: ±0.017 %FS
Impedance (in/out): 385 Ω ±20 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max.: 200 %)
Cable/length: 6 shielded wires / 5 m
Warranty: 1 year

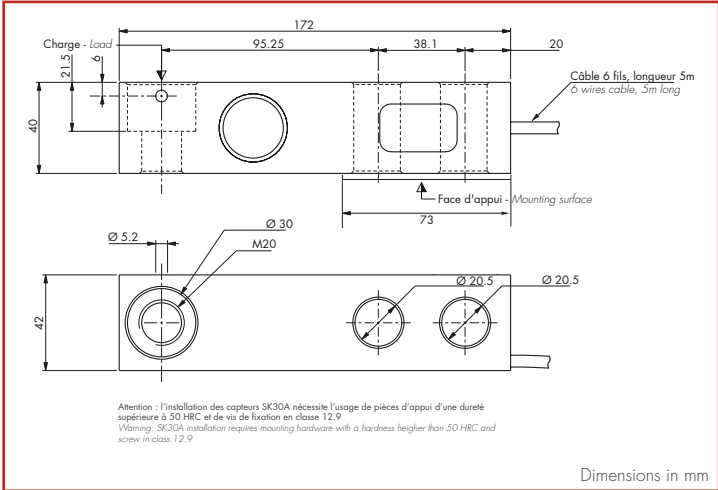
Replaces: Sensortronics 65023, TH 3410, RT HCB, HBM HLC BLC ELC, Flintec SB14, MT 0745

P/N	Designation	C _n	V _{min}	DC
Approved versions OIML C3, Y = 10 000				
430544	LOAD CELL SK30A 500 C3 SH 10e TR	500 kg	50 g	R1
430545	LOAD CELL SK30A 1 000 C3 SH 10e TR	1 000 kg	100 g	R1
430546	LOAD CELL SK30A 2 000 C3 SH 10e TR	2 000 kg	200 g	R1
Options:				
850397	OPTIONAL HIGH RESISTANCE PAINTING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C [zone 0/20]			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C [zone 2]			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex ia IIC T125°C Da, IP6X, -20°C < Ta < +60°C [zones 20]			R2
Related products:				
	LOAD FOOT LFA & LFC 2t			
	ISOFLEX-S 2t			
	STABIFLEX-SK 2t			
	QUICKFITS 2t			

SK30A 5T

5 t

- Stainless steel construction, IP67 protection
- 3 000 d OIML R60 approved
- Current calibrated signal output for multi-load cells mounting
- Ideally suited for industrial scales construction and tank, hing



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink



Signal at FS: 2 mV/V
Combined error: ±0.017 %FS
Impedance (in/out): 385 Ω ±20 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max.: 200 %)
Cable/length: 6 shielded wires / 5 m
Warranty: 1 year

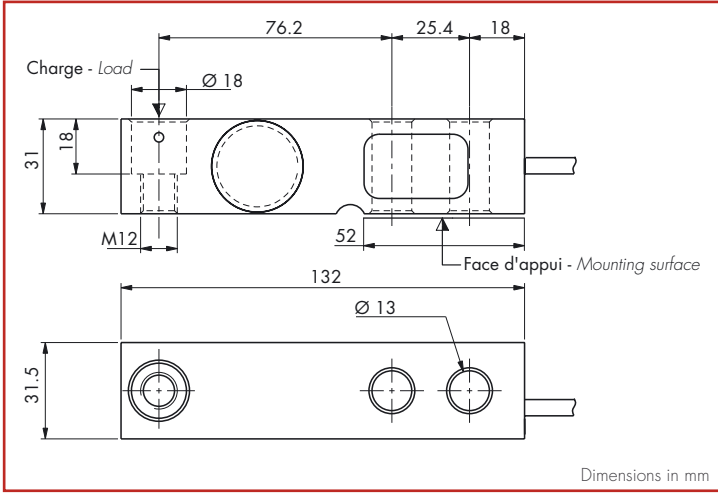
Replaces: Sensortronics 65023, TH 3410, RT HCB, HBM HLC BLC ELC, Flintec SB14, MT 0745

P/N	Designation	C _n	V _{min}	DC
Approved versions OIML C3, Y = 10 000				
430599	LOAD CELL SK30A 5000 C3 CH 10e TR	5 000 kg	500 g	R1
Options:				
850397	OPTIONAL HIGH RESISTANCE PAINTING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C [zone 0/20]			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C [zone 2]			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex ia IIC T125°C Da, IP6X, -20°C < Ta < +60°C [zones 20]			R2
Related products:				
	LOAD FOOT LFA & LFC 5t			
	ISOFLEX-S 5t			
	STABIFLEX-SK 5t			
	QUICKFITS 2t			

SK30X 2T

300 kg ... 2 t

- Stainless steel construction, hermetically welded to IP68/IP69K
- 6 000 d OIML R60 and 5 000 d NTEP approved
- Current calibrated signal output, for multi-load cells mounting
- Ideally suited for platform scales



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink



Signal at FS: 2 mV/V
Combined error: $\pm 0.017\%$ FS (C6: ± 0.008)
Impedance (in/out): $385\ \Omega \pm 20 / 350\ \Omega \pm 5$
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max.: 200 %)
Cable/length: 6 shielded wires / 5 m
Warranty: 3 years

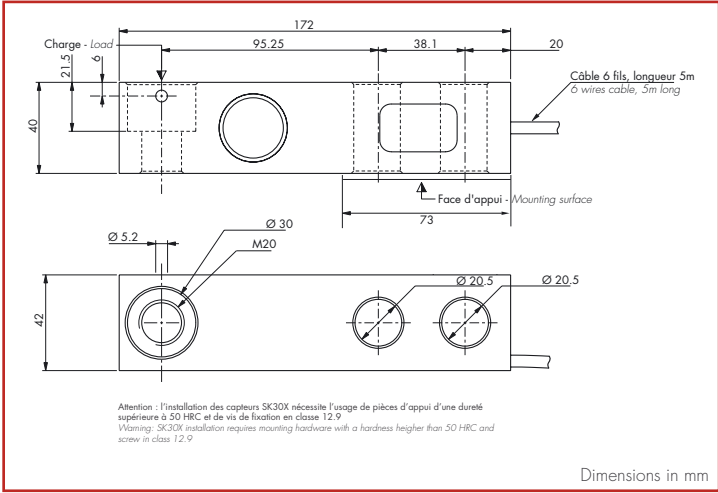
Replaces: TH 3510, Sensortronics 65083, HBM HLC, Flintec SB14, RT HCB, MT 0745

P/N	Designation	C _n	V _{min}	DC
Approved versions OIML C3, Y = 10 000				
430461	LOAD CELL SK30X 300 C3 CH 12e TR	300 kg	25 g	R1
430462	LOAD CELL SK30X 500 C3 CH 10e TR	500 kg	50 g	R1
430463	LOAD CELL SK30X 1 000 C3 CH 10e TR	1 000 kg	100 g	R1
430464	LOAD CELL SK30X 2 000 C3 CH 10e TR	2 000 kg	200 g	R1
Approved versions OIML C6, Y = 15 000				
430472	LOAD CELL SK30X 500 C6 CH 15e TR	500 kg	33.3 g	R1
430473	LOAD CELL SK30X 1 000 C6 CH 15e TR	1 000 kg	66.6 g	R1
430474	LOAD CELL SK30X 2 000 C6 CH 15e TR	2 000 kg	133.3 g	R1
Options:				
850397	OPTIONAL HIGH CORROSION RESISTANCE PAINTING			R1
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex Ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
Related products:				
	LOAD FOOT LFA 2t			
	ISOFLEX-S 2t			
	STABIFLEX-SK & SKX 2t			
	QUICKFITS 2t			

SK30X 5T

3 t ... 5 t

- Stainless steel construction, hermetically welded to IP68/IP69K
- 4 000 d OIML R60 approved
- Current calibrated signal output, for multi-load cells mounting
- Ideally suited for platform scales



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

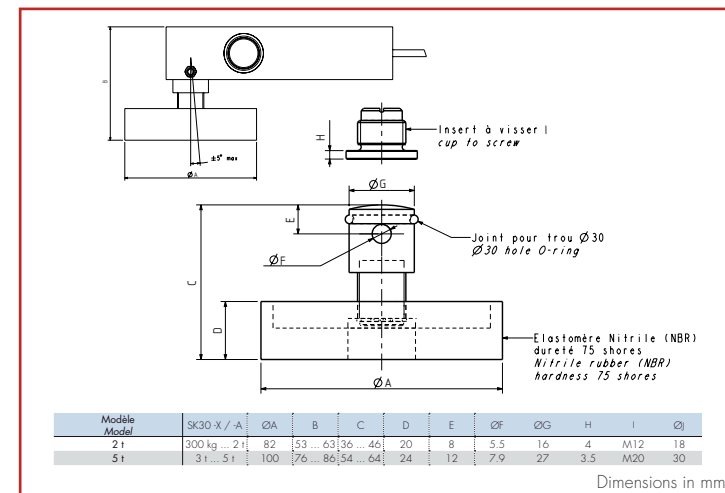


Signal at FS: 2 mV/V
Combined error: $\pm 0.017\%$ FS
Impedance (in/out): $385\ \Omega \pm 20 / 350\ \Omega \pm 5$
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max.: 200 %)
Cable/length: 6 shielded wires / 5 m
Warranty: 3 years

Replaces: TH 3510, Sensortronics 65083, HBM HLC, Flintec SB14, RT HCB, MT 0745

P/N	Designation	C _n	V _{min}	DC
Approved versions OIML C3, Y = 10 000				
430534	LOAD CELL SK30X 3 000 C3 CH 10e TR	3 000 kg	300 g	R1
430535	LOAD CELL SK30X 5 000 C3 CH 10e TR	5 000 kg	500 g	R1
Options:				
850397	OPTIONAL HIGH CORROSION RESISTANCE PAINTING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex Ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
850278	MARKING "FM" FOR LOAD CELLS CERTIFIED TO FM HAZLOC I.S., CL I, II, III / DIV 1 / GP ABCDEFG; N.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIFW			R2
Related products:				
	LOAD FOOT LFC & LFA 5t			
	ISOFLEX-S 5t			
	STABIFLEX-SK & SKX 5 t			
	QUICKFITS 5t			

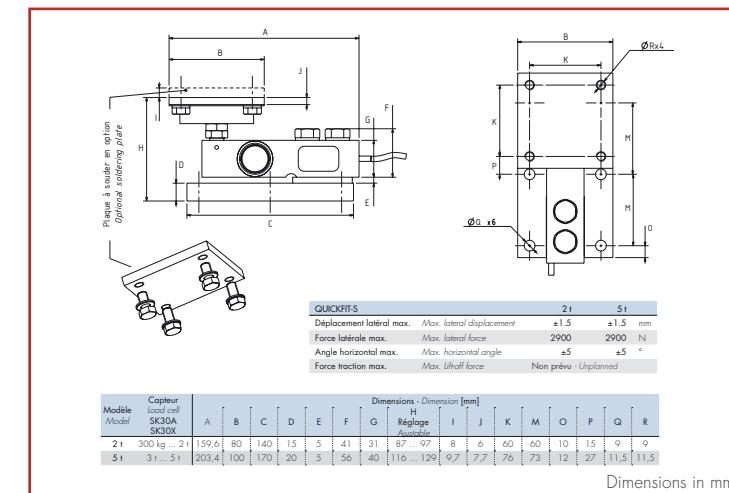
-



Fixed bearing: located on the neutral fiber ($\pm 5^\circ$)
Rubber: integrated (version 80 mm) or option (version 50 mm)
Declination: no effect on measurement up to 5°
Mounting: optimized accuracy guaranteed
Warranty: 1 year
For load cell: SK30X, SK10A and SK30A

QUICKFIT-S

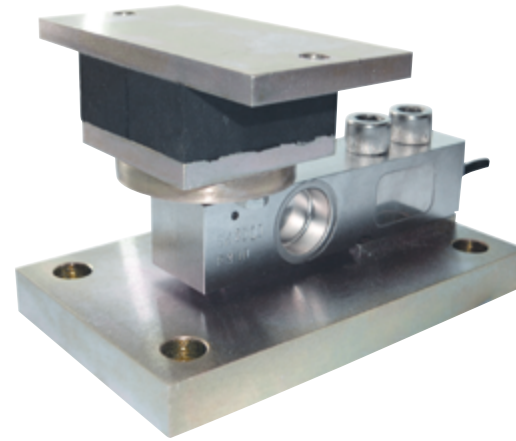
- 



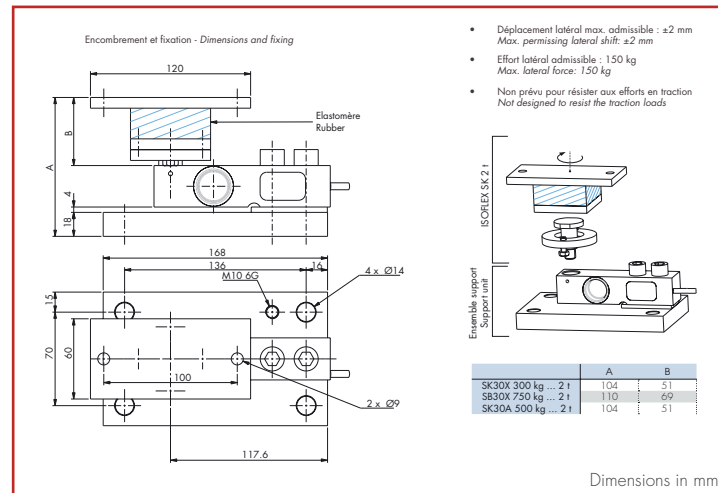
For load cell: SK30X, SK10A and SK30A

[illegible][illegible]

- Designed for weighing of tanks or hoppers with mixer
- Maximum static load 2 t
- Plates made of zinc plated steel
- Reinforced rubber pad for protection against vibrations and shock absorption
- Damper and base plates sold separately
- Max. permissible lateral shift: ± 2 mm
- Not designed to resist the traction loads



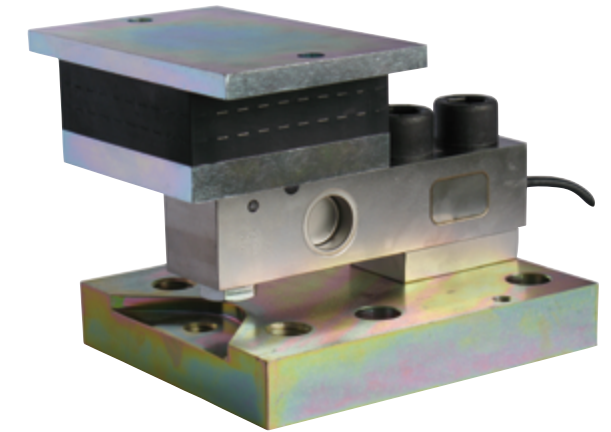
For load cell: SK30X, SK10A and SK30A



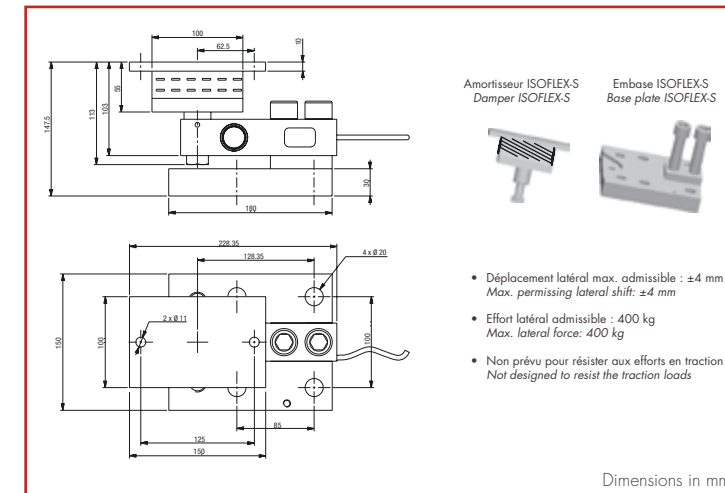
Dimensions in mm

[illegible]

- Designed for weighing of tanks or hoppers with mixer
- Maximum static load 5 t
- Plates made of zinc plated steel
- Reinforced rubber pad for protection against vibrations and shock absorption
- Damper and base plates sold separately
- Max. permissible lateral shift: ± 4 mm
- Not designed to resist the traction loads



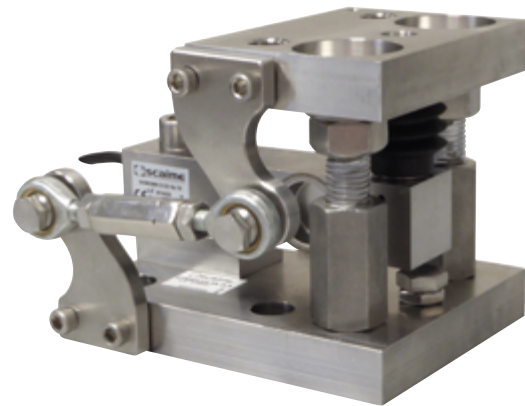
For load cell: SK30X, SK10A and SK30A



Dimensions in mm

[illegible]

- Designed for tank or hopper weighing
- Zinc plated steel or stainless steel construction
- Cross stoppers and lift off prevention included
- Ball-and-cup design for accurate weighing
- Integrated jacking bolts
- Optional stay rod to maintain the structure in dynamic application



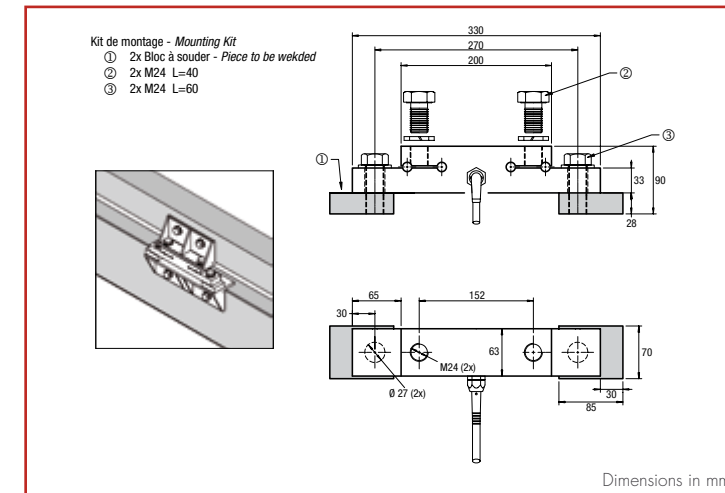
Dimensions - Dimension [mm]	
pour - for SK30X >>	0.3 - 21 51
A	110 - 143
B*	110 - 132
C	110 - 150
D	140 - 180
E	18 - 20
F	65 - 85
G	31.0 - 43.4
H	75 - 100
J	75 - 100
K	80 - 95
L	20 - 25/27
M	20 - 40/43
N	16 - 20
P	100 X 2 - 120 X 2.5

* : Vain en position haute / Jack on high position

Replace: SCAIME STABIFLEX-F (for load cells F60X 0.5 t ... 5 t)

C.S.: rated capacity / v_{min} = minimal interval | according to cert. OilMI R60 / C.E. = Combined error in % of C_n / DC = Code put back

- Nickel plated steel construction, IP67 protection
- Calibrated signal output, for multi-load cells mounting
- Ideally suited for on-board weighing on vehicles
- Mounting and fixing kit included



Signal at FS: 0.88 mV/V
Combined error: $\pm 0.1\%$ FS
Impedance (in/out): $385\ \Omega \pm 10$ / $350\ \Omega \pm 3$
Compensated temperature range: $-10 \dots +50^\circ\text{C}$
Overload limit: 150 %Emax (max.: 200 %)
Cable/length: 4 shielded wires / 10 m
Warranty: 1 year

 of raised capacity / 4 min | minimal inflation (adequacy to norm; 0.15 is norm) / 0.1 | continuous error in % of norm / 0.1 | score per each |



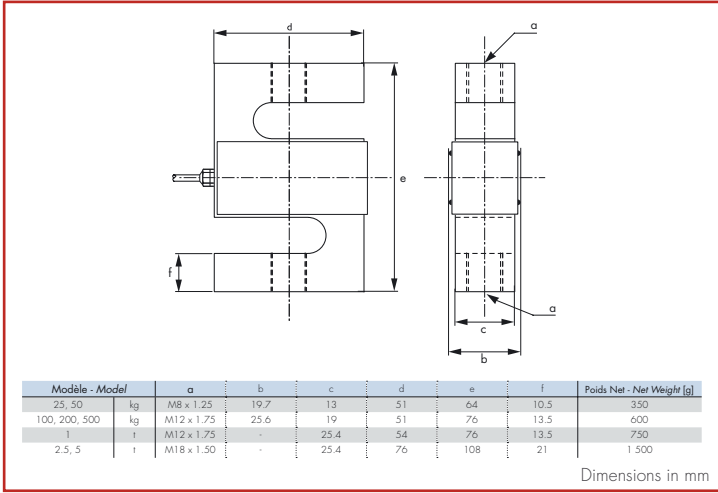
Load cells & Accessories

Tension load cells...

ZFA

25 kg ... 5 t

- Nickel plated steel construction
- Dedicated to tension, compression or tension/compression weighing or force applications
- Protection level IP67



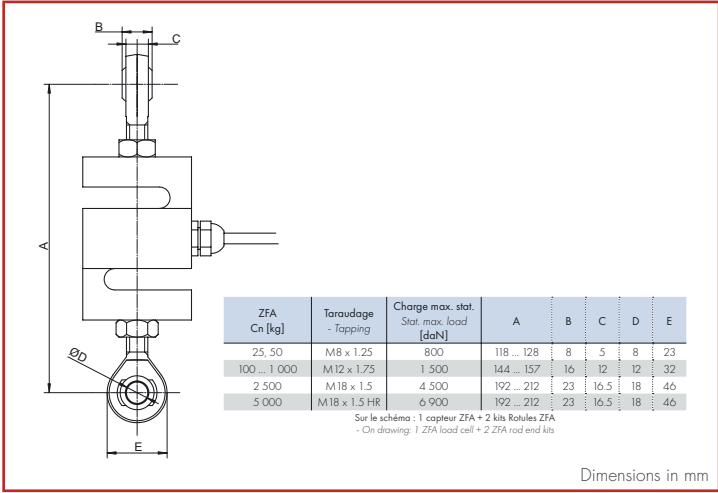
Signal at FS: 3 mV/V $\pm 0.5\%$
Combined error: $\pm 0.03\%$ FS
Impedance (in/out): $385\ \Omega \pm 10 / 350\ \Omega \pm 5$
Compensated temperature range: $-10 \dots +50^\circ\text{C}$
Overload limit: 120 %E_{max} (max.: 150 %)
Cable/length: 4 shielded wires / 5 m
Warranty: 1 year

P/N	Designation	Cn	C.E.	DC
799300	LOAD CELL ZFA 25 kg	25 kg	< $\pm 0.03\%$	R1
799301	LOAD CELL ZFA 50 kg	50 kg	< $\pm 0.03\%$	R1
799302	LOAD CELL ZFA 100 kg	100 kg	< $\pm 0.03\%$	R1
799303	LOAD CELL ZFA 200 kg	200 kg	< $\pm 0.03\%$	R1
799304	LOAD CELL ZFA 500 kg	500 kg	< $\pm 0.03\%$	R1
799305	LOAD CELL ZFA 1 t	1 000 kg	< $\pm 0.03\%$	R1
799306	LOAD CELL ZFA 2.5 t	2 500 kg	< $\pm 0.03\%$	R1
799307	LOAD CELL ZFA 5 t	5 000 kg	< $\pm 0.03\%$	R1
	Related product:			
	ZFA ROD END			

ZFA ROD ENDS

25 kg ... 5 t

- Tension mounting kit
- Made of zinc plated steel
- Prevention of unwanted forces
- Adjustable height



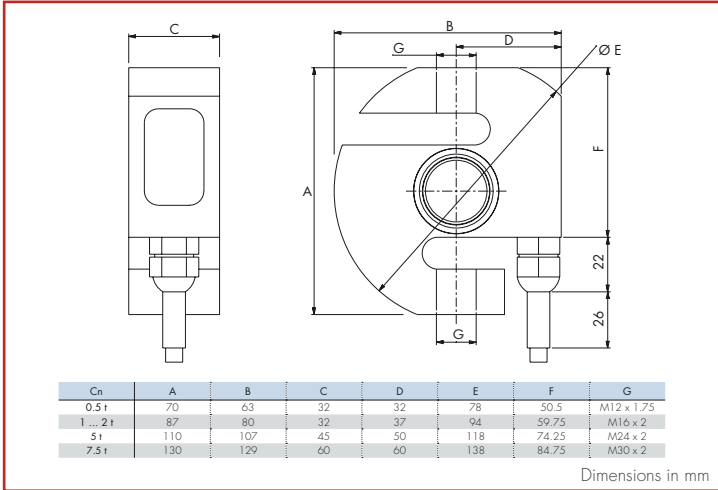
This kit includes one rod-end ball joint and one lock nut.
(on picture: ZFA load cell + 2 rod-end ball kits)
For load cell: ZFA

P/N	Designation	Cn	v _{min}	DC
803890	1 EACH ROD END BALL JOINT M8 x 1.25 (25...50 kg)			R2
803005	1 EACH ROD END BALL JOINT M12 x 1.75 (100...1000 kg)			R2
803891	1 EACH ROD END BALL JOINT M18 x 1.50 (2500 kg max)			R2
803010	1 EACH ROD END BALL JOINT M18 x 1.50 (high tensile 5000 kg max)			R2

ZA30X

500 kg ... 7.5 t

- Stainless steel construction, hermetically welded to IP68
- 3 000 d OIML approved
- Dedicated to tension or compression weighing and force applications
- Current calibrated signal output, for multi-load cells mounting
- Ideally suited for hanging hopper weighing



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink



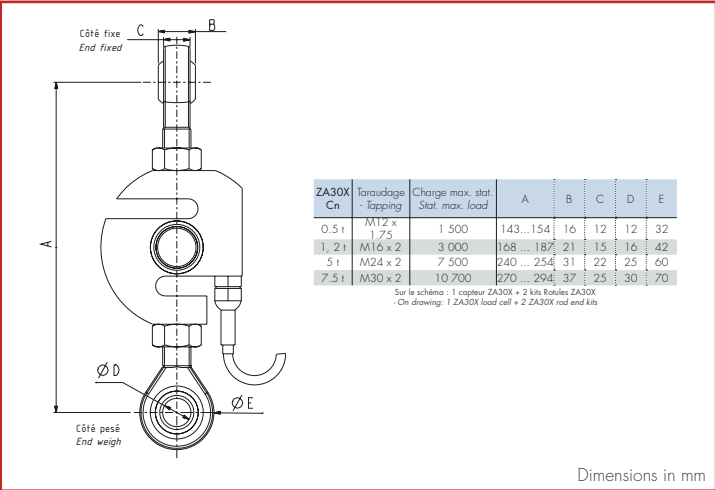
Signal at FS: 2 mV/V
Combined error: ±0.017 %FS
Impedance (in/out): 385 Ω ±10 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max.: 300 %)
Cable/length: 6 shielded wires / 10 m
Warranty: 3 years

P/N	Designation	Cn	V _{min}	DC
430612	LOAD CELL ZA30X 0.5t C3 CH 10e	500 kg	50 g	R1
430613	LOAD CELL ZA30X 1t C3 CH 10e	1 t	100 g	R1
430614	LOAD CELL ZA30X 2t C3 CH 10e	2 t	200 g	R1
430617	LOAD CELL ZA30X 5t C3 CH 10e	5 t	500 g	R1
430616	LOAD CELL ZA30X 7.5t C3 CH 10e	7.5 t	750 g	R1
Options:				
850397	OPTIONAL HIGH CORROSION RESISTANCE PAINTING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex ia IIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
850278	MARKING "FM" FOR LOAD CELLS CERTIFIED TO FM HAZLOC I.S., CL I, II, III / DIV 1 / GP ABCDEFG; N.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIFW			R2
Related product:				
ZA30X ROD END				

ZA30X ROD ENDS

500 kg ... 7.5 t

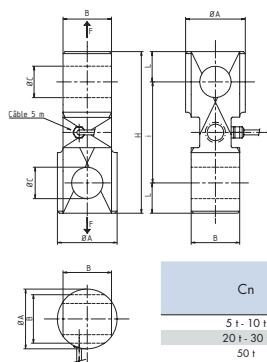
- Tension mounting kit
- Made of zinc plated steel
- Prevention of unwanted forces
- Adjustable height
- Kit includes 1 rod end ball joint and 1 jam nut.



P/N	Designation	Cn	V _{min}	DC
803005	1 EACH ROD END BALL JOINT M12 x 1.75 (500 kg)			R2
803006	1 EACH ROD END BALL JOINT M16 x 2 (1 000 ... 2 000 kg)			R2
803007	1 EACH ROD END BALL JOINT M24 x 2 (5 000 kg)			R2
803008	1 EACH ROD END BALL JOINT M30 x 2 (7 500 kg)			R2



- Suitable for tension measurement of very heavy loads (with clevis pins)
- High safety coefficient
- Stainless steel, IP65



Nota : Le diamètre des axes doit être 1 mm inférieur à celui des trous du capteur dans lequel ils sont montés afin d'assurer un bon fonctionnement.
The diameter of the shafts mounted through the sensors holes, must be 1 mm smaller than the diameter of the hole itself, in order to ensure a correct functioning.

Cn	ØA	B	ØC	H	I	L	Poids Weight [kg]
5 t - 10 t	52	38	34	150	96	27	2
20 t - 30 t	76	54	43	200	120	40	4,5
50 t	100	75	59	260	160	50	9

Dimensions in mm

+ Excit.: Red | + Sign.: Green | - Sign.: White | - Excit.: Black | + Sense: Blue | - Sense: Brown

Signal at FS: 2 mV/V $\pm$ 2 %

Combined error: $< \pm 0.15\% \text{FS}$

Impedance (in/out): $350\ \Omega \pm 20$

Compensated temperature range: -10 ... +50°C

Overload limit: 130 %E_{max} (max. 300 %)

Cable/length: 6 shielded wires / 5 m

Warranty: 1 year

[illegible]

ES: rated capacity / $v_{\min}$ = minimal interval | according to cert. OIML R60) / C.E. = Combined error in % of C_n / DC = Code put back

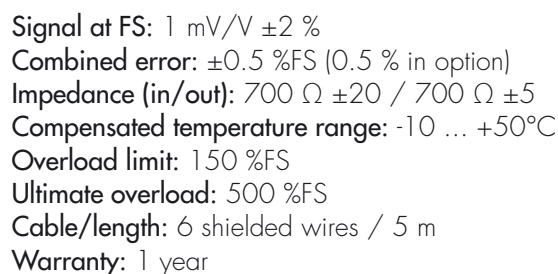


Load cells & Accessories

Load pins...



-
- A cylindrical piezoelectric transducer, likely a shear beam type, with a metallic finish. It has a label with technical specifications: "1.50 mV/g" and "5 W 000116". A cable is connected to the right end.

[illegible]



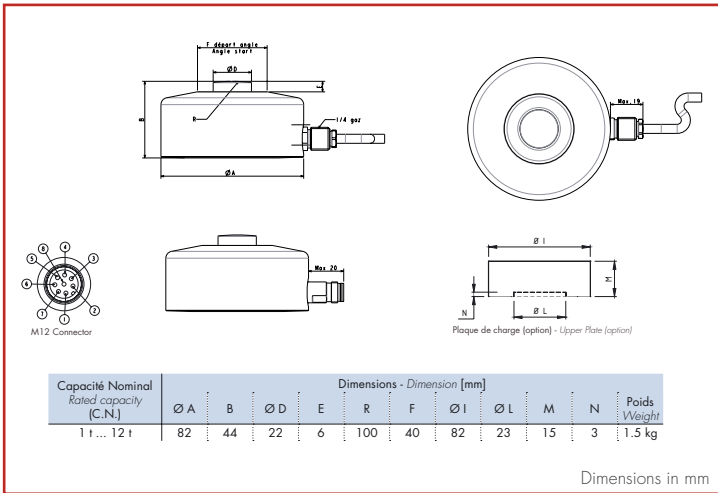
Load cells & Accessories

Compression load cells...

R30X

1 t ... 12 t

- Made in stainless steel grade 1.4418 for high corrosion resistance
- Hermetically sealed IP68/IP69K
- High accuracy, approved 3000d OIML R60
- Ideally suited for tank weighing applications in wet environments
- Easy to clean
- Optional connector output



Signal at FS: 2mV/V ±0.15 %
Combined error: ±0.017 %FS
Impedance (In/Out): 760 Ω ±20 / 700 Ω ±5
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %Emax (max: 300 %)
Cable/Length: 6 wires / 10 m (option M12 connector)
M12 Connector
Warranty: 3 years

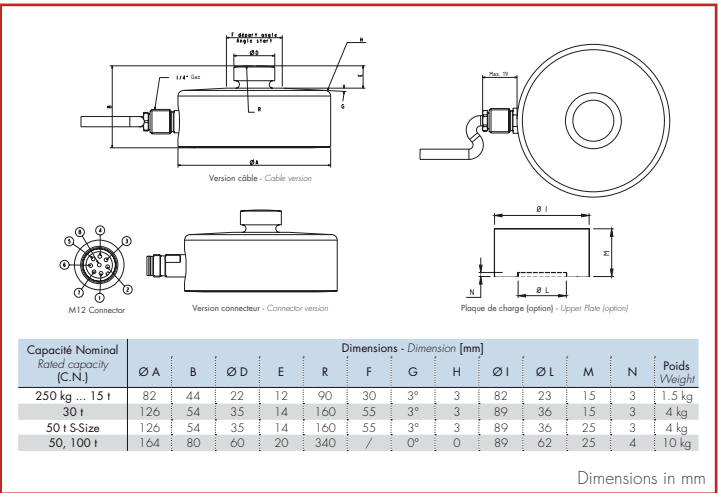
+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink
+ Excit.: 7 | + Sign.: 1 | - Sign.: 8 | - Excit.: 6 | + Sense: 3 | - Sense: 5

P/N	Designation	Cn	V _{min.}	DC
Cable version:				
430643	LOAD CELL R30X 1t C3 CH 5e TR	1 t	200 g	R2
430644	LOAD CELL R30X 2.5t C3 CH 5e TR	2.5 t	500 g	R2
430645	LOAD CELL R30X 6t C3 CH 6e TR	6 t	1 kg	R2
430646	LOAD CELL R30X 12t C3 CH 6e TR	12 t	2 kg	R2
Connector version:				
430648	LOAD CELL R30X 1t C3 CH 5e CO8	1 t	200 g	R2
430649	LOAD CELL R30X 2.5t C3 CH 5e CO8	2.5 t	500 g	R2
430650	LOAD CELL R30X 6t C3 CH 6e CO8	6 t	1 kg	R2
430651	LOAD CELL R30X 12t C3 CH 6e CO8	12 t	2 kg	R2
Accessories:				
640101	5M CABLE WITH M12 8 POLES CONNECTOR			R4
640110	10M CABLE WITH M12 8 POLES CONNECTOR			R4
640112	20M CABLE WITH M12 8 POLES CONNECTOR			R4
Related products:				
	SILOKITR,			
	SILOSAFER & RX,			
	PLATES KIT			

R10X

250 kg ... 100 t

- Made of stainless steel, sealed IP68/IP69K
- Accuracy up to ±0.05 %
- Spherical load button
- Ideally suited for tank or silo weighing applications
- Easy to clean
- High temperature version (HT: +125°C) on request
- Optional connector output



Signal at FS: 2 mV/V ±0.15 %
Combined error: up to ±0.05 %FS
Impedance (in/out): 730 Ω ±20 / 700 Ω ±10
Compensated temperature range: -10 ... +50°C
Overload limit: 150 %Emax (max.: 300 %)
Cable/length: 4 shielded wires / 10 m
Warranty: 3 years

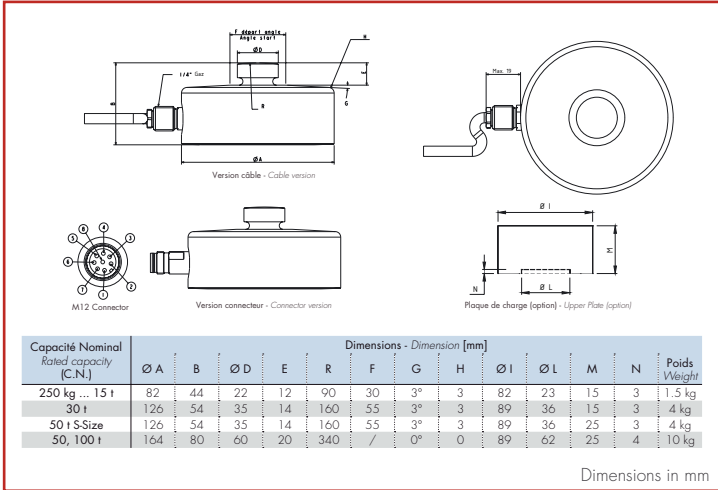
+ Excit.: Red | + Sign.: Green | - Sign.: White | - Excit.: Black

P/N	Designation	Cn	C.E.	DC
430625	LOAD CELL R10X 250 kg TR	250 kg	< ± 0.1 %	R2
430626	LOAD CELL R10X 500 kg TR	500 kg	< ± 0.1 %	R2
430627	LOAD CELL R10X 1t TR	1 t	< ± 0.1 %	R2
430628	LOAD CELL R10X 2t5 TR	2.5 t	< ± 0.1 %	R2
430629	LOAD CELL R10X 5t TR	5 t	< ± 0.1 %	R2
430630	LOAD CELL R10X 10t TR	10 t	< ± 0.1 %	R2
430631	LOAD CELL R10X 15t TR	15 t	< ± 0.1 %	R2
430632	LOAD CELL R10X 30t TR	30 t	< ± 0.1 %	R2
430633	LOAD CELL R10X 50t S-Size TR	50 t	< ± 0.1 %	R2
632228	LOAD CELL R10X 50t	50 t	< ± 0.1 %	R2
632229	LOAD CELL R10X 100t	100 t	< ± 0.1 %	R2
Options:				
SP/OL	OPTIONAL HIGH TEMPERATURE FOR R10X - Service temperature range -20 ... +125°C			R2
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex Ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
Related products:				
	SILOKITR			
	SILOSAFER & RX			
	PLATES KIT			

R10X C08

250 kg ... 100 t

- Made of stainless steel, sealed IP68
- Accuracy up to ±0.05 %
- Spherical load button
- Ideally suited for tank or silo weighing applications
- Easy to clean
- High temperature version (HT: +125°C) on request
- Optional connector output



Signal at FS: 2 mV/V ±0.2 %
Combined error: ±0.05 %FS (1000 d)
Impedance (in/out): 700 Ω ±20 / 700 Ω ±5
Compensated temperature range: -10 ... +50°C
Overload limit: 150 %Emax (max.: 300 %)
Output: Connector M12 8 pins
Warranty: 3 years

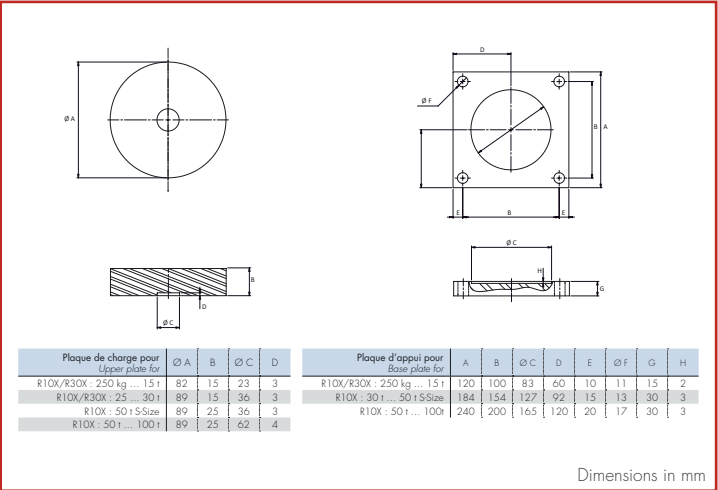
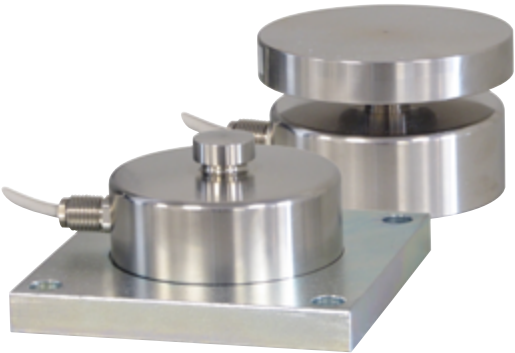
+ Excit.: 7 | + Sign.: 1 | - Sign.: 8 | - Excit.: 6 | + Sense: 3 | - Sense: 5

P/N	Designation	Cn	C.E.	DC
430634	LOAD CELL R10X 250 kg C08	250 kg	< ± 0.1 %	R2
430635	LOAD CELL R10X 500 kg C08	500 kg	< ± 0.1 %	R2
430636	LOAD CELL R10X 1t C08	1 t	< ± 0.1 %	R2
430637	LOAD CELL R10X 2½ C08	2.5 t	< ± 0.1 %	R2
430638	LOAD CELL R10X 5t C08	5 t	< ± 0.1 %	R2
430639	LOAD CELL R10X 10t C08	10 t	< ± 0.1 %	R2
430640	LOAD CELL R10X 15t C08	15 t	< ± 0.1 %	R2
430641	LOAD CELL R10X 30t C08	30 t	< ± 0.1 %	R2
430642	LOAD CELL R10X 50t S-Size C08	50 t	< ± 0.1 %	R2
632286	LOAD CELL R10X 50t C08	50 t	< ± 0.1 %	R2
632287	LOAD CELL R10X 100t C08	100 t	< ± 0.1 %	R2
Options:				
SP/OL	OPTIONAL HIGH TEMPERATURE FOR R10X - Service temperature range -20 ... +125°C			R2
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
Accessories:				
640101	5M CABLE WITH M12 8 POLES CONNECTOR			R4
640110	10M CABLE WITH M12 8 POLES CONNECTOR			R4
640112	20M CABLE WITH M12 8 POLES CONNECTOR			R4
Related products:				
	SILOKITR, SILOSAFER & RX, PLATES KIT			

RX UPPER PLATE

250 kg ... 100 t

- Plates designed for tank weighing
- Base plates made of zinc plated steel
- Standard Upper plates made of stainless steel
- Upper and Base plates sold separately



For load cell: R10X and R30

Replace: MasterK CAP

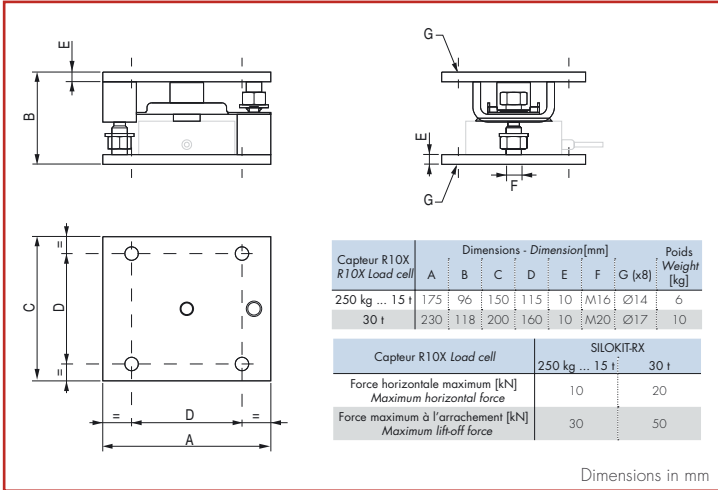
P/N	Designation	Cn	V _{min.}	DC
632263	UPPER PLATE STAINLESS STEEL R10X 1-15t			R2
632264	UPPER PLATE STAINLESS STEEL R10X 30t			R2
720679	UPPER PLATE STAINLESS STEEL R10X 50t S-size			R2
632265	UPPER PLATE STAINLESS STEEL R10X 50-100t			R2
Accessories:				
632272	BASE PLATE FOR R10X 1-15t			R2
632273	BASE PLATE FOR R10X 30-50t S-Size			R2
632274	BASE PLATE FOR R10X 50-100t			R2

Mounting kit for R10X - Compression mounting

SILOKIT-RX

250 kg ... 30 t

- Designed for tank or silo weighing
- Made of stainless steel
- Lift-off prevention device included
- Prevention against lateral forces
- Compact design and easy installation



For load cell: R10X 250 kg ... 30 t

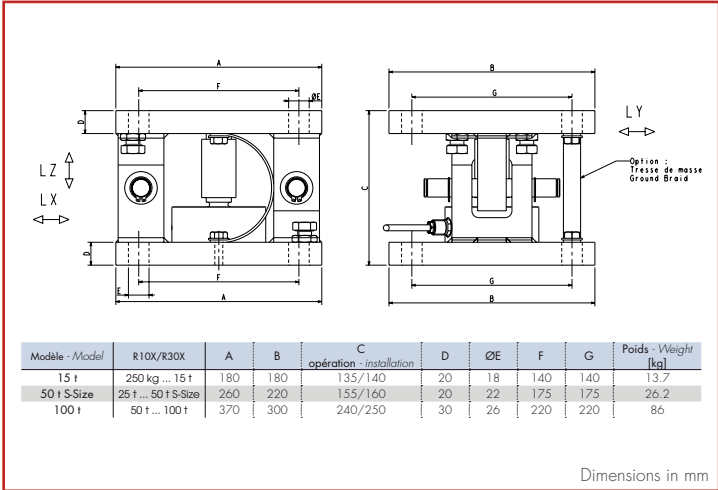
Load cell sold separately

Mounting kit for R10X/R30X - Compression

SILOSAFE-R /-RX EVO

250 kg ... 100 t

- Zinc plated steel (R) or Stainless steel (RX)
- Double Lift-off prevention device
- High capacity bidirectional stoppers
- Pendulum mounting for accurate weighing
- Integrated jacking bolts
- 1 or 2 optional stay rods to maintain the structure in dynamic application (15 t, 50 t)
- An option, construction and EC-certificate EN1090-1, EXC2



For load cell: R10X

Option
CE
EN 1090

Load cell sold separately

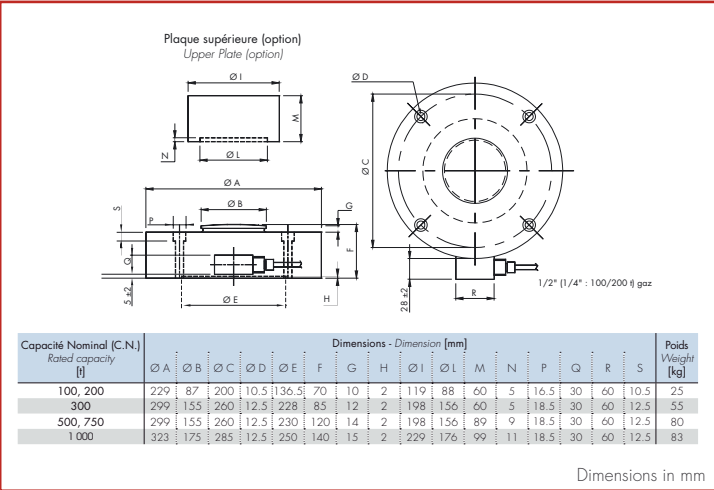
RH10X

100 t ... 1 000 t

- Made of stainless steel hermetically welded IP68
- Low profile design
- Spherical load button for perfect alignment of the load
- Ideally suited for any industrial weighing and level control application



Signal at FS: 2 mV/V $\pm 0.1\%$
Combined error: $\pm 0.2\%$ FS
Impedance (in/out): $700\ \Omega \pm 20 / 700\ \Omega \pm 5$
Compensated temperature range: $-10 \dots +50^\circ\text{C}$
Overload limit: 150 %E_{max} (max.: 300 %)
Cable/length: 6 shielded wires / 10 m
Warranty: 3 years



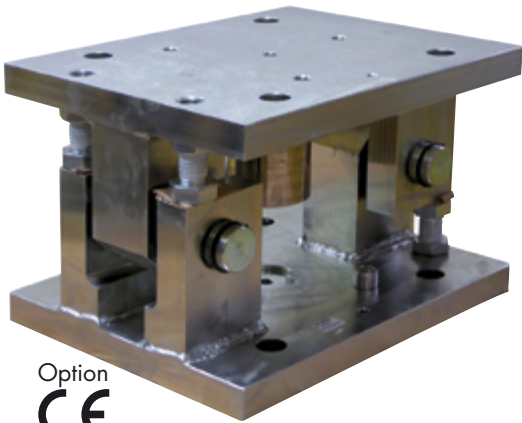
+ Excit.: Red | + Sign.: Green | - Sign.: White | - Excit.: Black | + Sense: Blue | - Sense: Brown

P/N	Designation	Cn	C.E.	DC
632250	LOAD CELL RH10X 100t	100 t	< $\pm 0.2\%$	R2
632251	LOAD CELL RH10X 200t	200 t	< $\pm 0.2\%$	R2
632252	LOAD CELL RH10X 300t	300 t	< $\pm 0.2\%$	R2
632253	LOAD CELL RH10X 500t	500 t	< $\pm 0.2\%$	R2
632524	LOAD CELL RH10X 750t	750 t	< $\pm 0.2\%$	R2
632266	LOAD CELL RH10X 1000t	1000 t	< $\pm 0.2\%$	R2
Options:				
850272	TEST "SI" CAPTEURS ATEX ET IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zones 0/20)			R2
850273	TEST "n" CAPTEUR ATEX ET IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	MARQUAGE "DUST" CAPTEUR ATEX ET IECEx - II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
Accessories:				
632260	UPPER PLATE RH10X 100-200t			R2
632261	UPPER PLATE RH10X 300t			R2
632262	UPPER PLATE RH10X 500-750t			R2

SILOSAFE-RH EVO

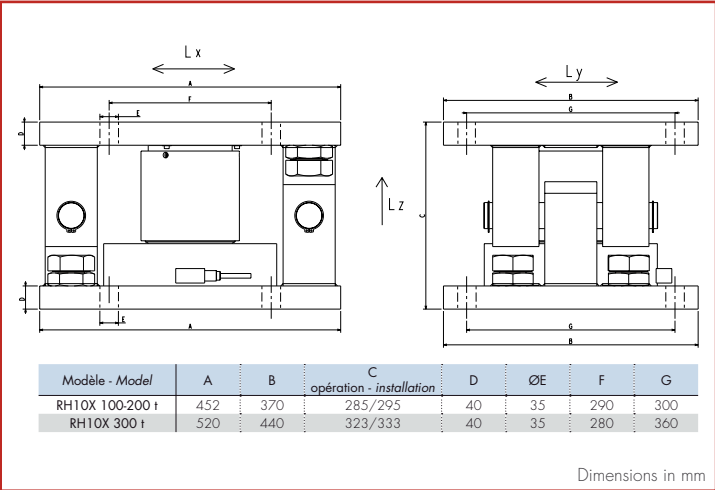
200 t, 300 t

- Designed for high capacity silos weighing
- Zinc plated steel construction
- Double Lift-off prevention device
- High capacity bidirectional stoppers
- Pendulum mounting for accurate weighing
- Hold-down buttons in upper position
- An option, construction and EC-certificate EN1090-1, EXC2



Option
CE
EN 1090

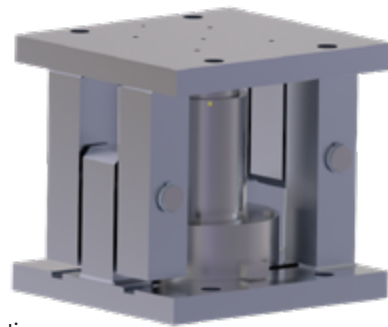
Load cell sold separately



For load cell: RH10X 100 t ... 300 t

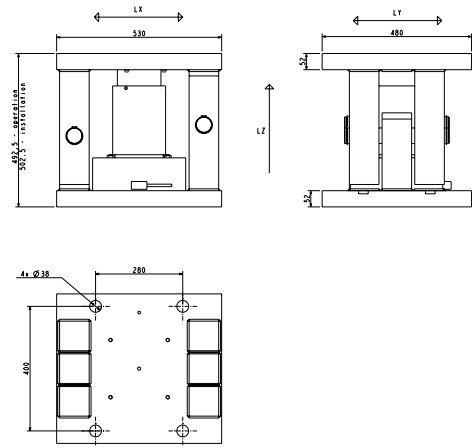
P/N	Designation	Cn	V _{min.}	DC
803871	SILOSAFE-RH 200t EVO FOR RH10X 100-200t			R2
803847	SILOSAFE-RH 300t EVO FOR RH10X 300t			R2
Option:				
850425	CE MARKING EN1090 EXC2 FOR SILOSAFE EVO			R6

- Designed for high capacity silos weighing
- For load cell RH10X 500 to 750 t
- Zinc plated steel construction
- Lift-off prevention device
- High capacity lateral stoppers
- Pendulum mounting for accurate weighing
- Holding device in high positions
- An option, construction and EC-certificate EN1090-1, EXC2



Option
CE
EN 1090

For load cell: RH10X 500 t ... 750 t



Dimensions in mm



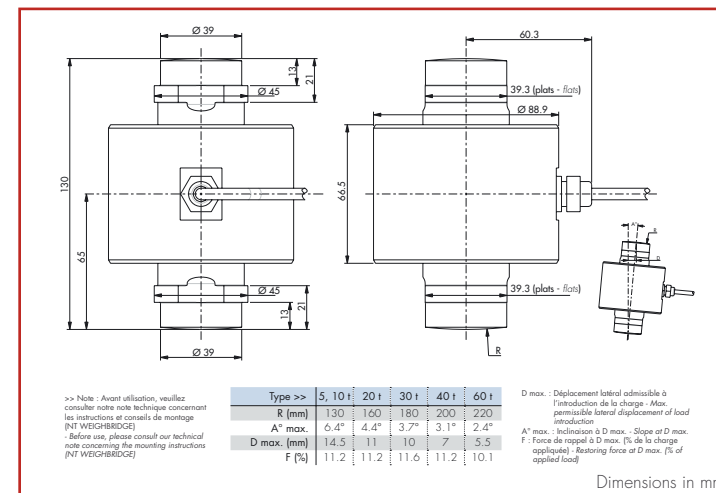
- Made of stainless steel hermetically welded IP68/IP69K
- 4 000 d OIML R60 approved
- Spherical and self centering base
- Anti rotation system included
- Ideally suited for weighbridge use
- Suited as well for silo weighing (with stabican kit)



Plates kit sold separately



Signal at FS: 2 mV/V
Combined error: $\pm 0.013\%$ FS
Impedance (in/out): $815\ \Omega \pm 20 / 700\ \Omega \pm 0.35$
Compensated temperature range: $-10 \dots +40^\circ\text{C}$
Overload limit: 150 %Emax (max.: 300 %)
Cable/length: 4 shielded wires / 15 m - Steel armored
Warranty: 3 years
See next page for optional lightning protection and rodent-protected cables



+ Excit.: Red | + Sign.: White | - Sign.: Yellow | - Excit.: Blue

Replaces: HBM C16, Flintec RC3, GWT PR6201/6221 (lower profile: 170 mm), SCAIME CA40X

[illegible]

FS: rated capacity / v min = minimal interval according to cert. OIML R60 / C.F. = Combined error in % of Cn / DC = Code nut back

P/N	Designation	Cn	v _{min.}	DC
	Standard versions, certified OIML C4, Y = 10 000			
421523	LOAD CELL CB50X5t C4 CH 10e	5 t	500 g	R1
421527	LOAD CELL CB50X10t C4 CH 10e	10 t	1 kg	R1
421531	LOAD CELL CB50X20t C4 CH 10e	20 t	2 kg	R1
421535	LOAD CELL CB50X30t C4 CH 10e	30 t	3 kg	R1
421539	LOAD CELL CB50X40t C4 CH 10e	40 t	4 kg	R1
421543	LOAD CELL CB50X60t C4 CH 10e	60 t	6 kg	R1
	Options:			
	JUNCTION CABLE 20 M: Consult us			
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
	Accessory:			
803799	DUMMY LOAD CELL CB50X 5 ... 60t (requires cups or plates of CB50X)			R2
	Related products:			
	LPC, IPS & LPSH, LPM & LPMX			
	STABICAN			

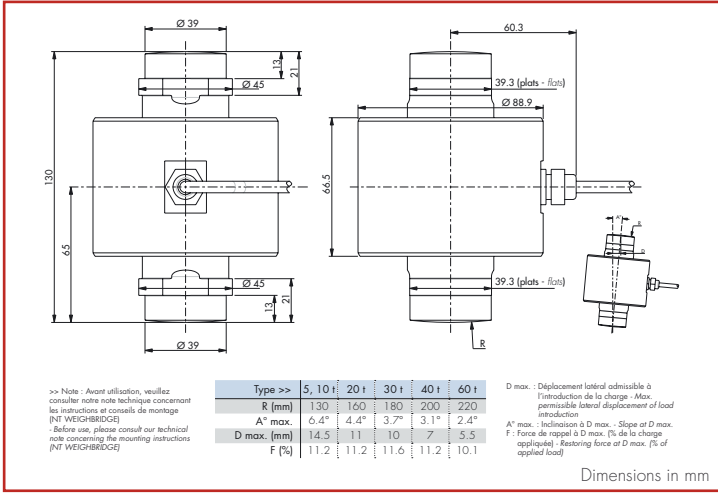
ES: rated capacity / v_{min.} = minimal interval (according to cert. OIML R601) / C.E. = Combined error in % of Cn / DC
 Code not back

5. *How many people are there in your family?*

CB50X GDT

5 t ... 60 t

- General specifications identicare to previous page
- Optional overvoltage protection (GDT)
- Optional shielded cable against rodent (AR)
- Ideally suited for weighbridge use



Signal at FS: 2 mV/V
Combined error: $\pm 0.013\%$ FS
Impedance (in/out): $815\ \Omega \pm 20 / 700\ \Omega \pm 0.35$
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max.: 300 %)
Cable/length: 4 shielded wires / 15 m - Steel armored
Warranty: 3 years

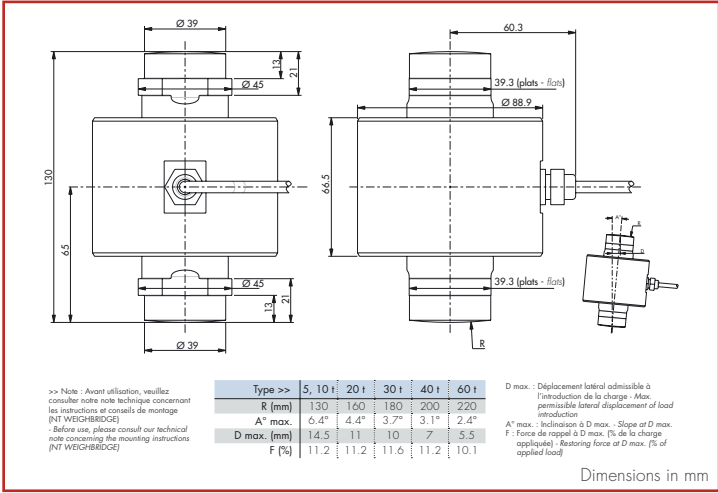
Replaces: HBM C16, Flintec RC3, GWT PR6201/6221 (lower profile: 170 mm), SCAIME CA40X

P/N	Designation	Cn	V _{min.}	DC
Versions with protection against rodents and lightning, certified OIML C4, Y = 10 000				
421570	LOAD CELL CB50X5t C4 CH 10e GDT AR	5 t	500 g	R1
421572	LOAD CELL CB50X10t C4 CH 10e GDT AR	10 t	1 kg	R1
421574	LOAD CELL CB50X20t C4 CH 10e GDT AR	20 t	2 kg	R1
421576	LOAD CELL CB50X30t C4 CH 10e GDT AR	30 t	3 kg	R1
421578	LOAD CELL CB50X40t C4 CH 10e GDT AR	40 t	4 kg	R1
421580	LOAD CELL CB50X60t C4 CH 10e GDT AR	60 t	6 kg	R1
421577	LOAD CELL CB50X30t C4 CH 10e GDT AR LG20m	30 t	3 g	R1
421579	LOAD CELL CB50X40t C4 CH 10e GDT AR LG20m	40 t	4 g	R1
Options:				
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
Accessory:				
803799	DUMMY LOAD CELL CB50X 5 ... 60t (requires cups or plates of CB50X)			R2
Related products:				
	LPC, LPS & LPSH, LPM & LPMX			
	STABICAN			

CB50X-DL

20 t ... 60 t

- Made of stainless steel welded IP68/IP69K
- 5 000 d OIML R60 approved
- RS485 digital output signal
- Integrated ESD protection
- Spherical and self-centering base
- Ideally suited for weighbridge use
- Rodent protection as standard (AR)
- Lightning protection integrated to DLCJB box



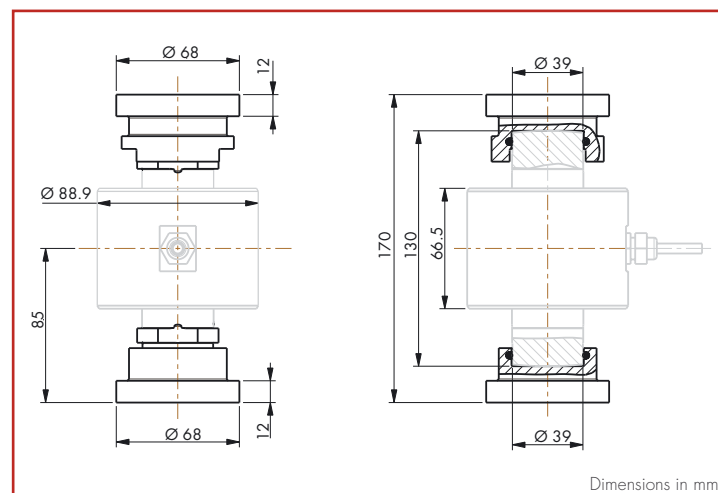
RS485 Out: A+ = Green | B- = Yellow
RS485 In: A+ = Grey | B- = Pink

P/N	Designation	Cn	V _{min.}	DC
Versions with protection against rodents, certified OIML C4, Y = 10 000				
421557	LOAD CELL CB50X-DL 20t C4 CH 10e AR	20 t	2 kg	R1
421559	LOAD CELL CB50X-DL 30t C4 CH 10e AR	30 t	3 kg	R1
421561	LOAD CELL CB50X-DL 40t C4 CH 10e AR	40 t	4 kg	R1
421563	LOAD CELL CB50X-DL 60t C4 CH 10e AR	60 t	6 kg	R1
Option:				
	JUNCTION CABLE 20 M: Consult us			
Accessory:				
803799	DUMMY LOAD CELL CB50X 5 ... 60t (requires cups or plates of CB50X)			R2
Related products:				
	LPC, LPS & LPSH, LPM & LPMX			

- Made of zinc plated steel
- Integrated anti-spinning system
- Hermetic O-ring on each plate
- **WARNING:** Before all use, please consult our Technical Note concerning mounting instructions (NT-WEIGHBRIDGE-FE)



Load cell sold separately



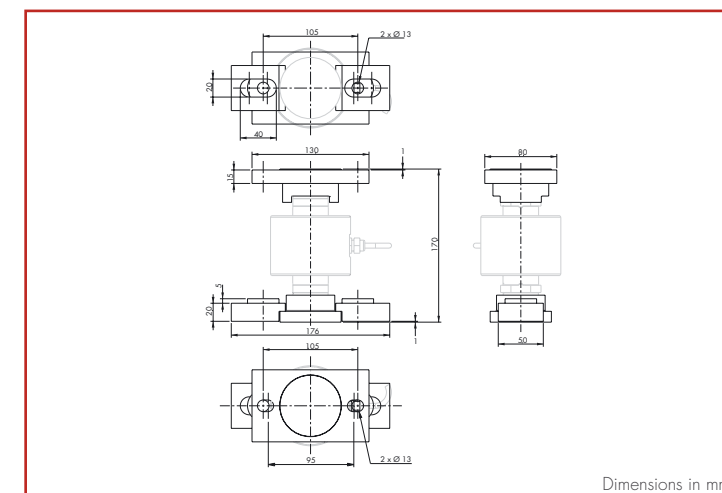
For load cell: CB50X and CB50X-DL

[illegible]

- LPM: made of zinc plated steel
- LPM-X: made of stainless steel
- Integrated anti-rotating system
- To be used with STABICAN kit
- Compatible with CA40X, C15A or C30A base and upper plates
- **WARNING:** Before all use, please consult our Technical Note concerning mounting instructions (NT-WEIGHBRIDGE-FE)



Load cell sold separately



For load cell: CB50X and CB50X-DL

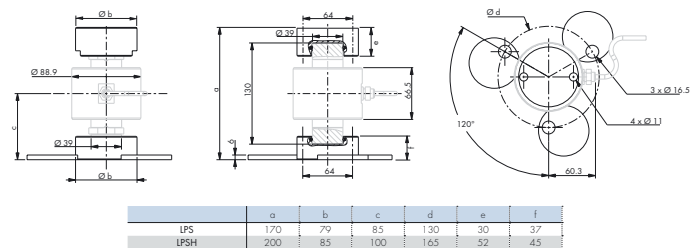
[illegible]

5 t ... 60 t

- 



For load cell: CB50X and CB50X-DL

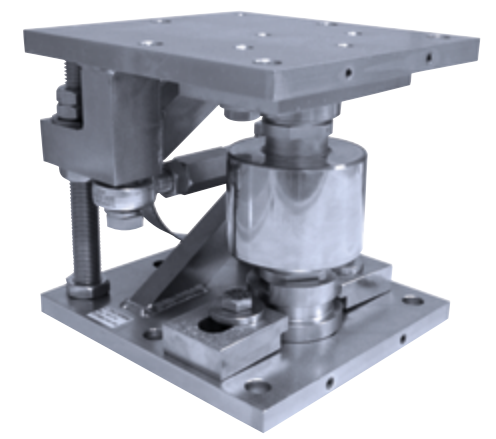


Dimensions in mm

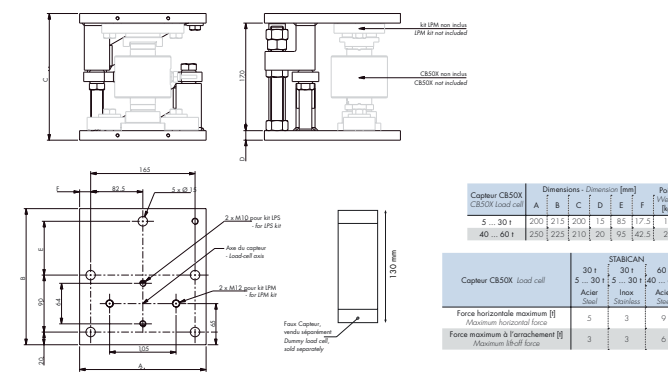
 84

5 t ... 60 t

-



For load cell: CB50X et CB50X-DL
To be used with LPM/LPM-X plates kit



Dimensions in mm

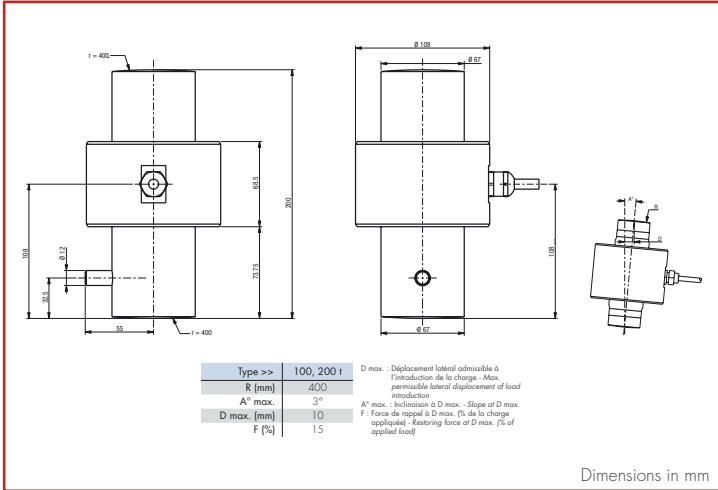
[illegible]

S. rated capacity / V_{rated} = minimal interval (according to cell, $\text{C}_{\text{rated}} \cdot 1000$ / C_{LTC} = Combined error III % of C_{LTC} / C_{LTC} = Code per block.

CA40X 200T

100 t ... 200 t

- Made of stainless steel hermetically welded IP68
- Spherical and self centering base
- Anti-rotating system included
- Ideally suited for high capacity silo weighing



Signal at FS: 2 mV/V
Combined error: $\pm 0.024\%$ FS
Impedance (in/out): $815\ \Omega \pm 20 / 700\ \Omega \pm 35$
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max.: 300 %)
Cable/length: 4 shielded wires / 15 m
Warranty: 3 years

+ Excit.: Red | + Sign.: White | - Sign.: Yellow | - Excit.: Blue

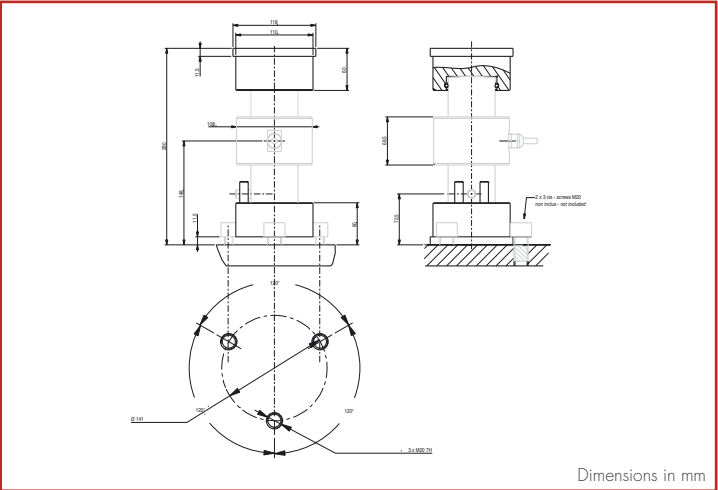
Replaces: HBM C16, GWT PR6201 (lower profile: 300 mm)

P/N	Designation	Cn	V _{min.}	DC
421487	LOAD CELL CA40X100t P3 CH 5e V2	100 t	20 kg	R1
421488	LOAD CELL CA40X200t P3 CH 5e V2	200 t	40 kg	R1
Options:				
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
Accessories:				
803831	ZINC STEEL PLATES KIT FOR CA40X 100/200T			R2
803795	STABICAN 200t (compression kit for CA40X 100...200t)			R2
803796	DUMMY LOAD CELL CA40X 100...200t (to be used with the 2 plates of CA40X)			R2
Related products:				
ZINC STEEL PLATES,				
STABICAN 200t				

CA40X PLATES KIT

100 t ... 200 t

- Made of zinc plated steel
- Integrated anti-rotating device
- Hermetic O-ring on each plate
- To be used with STABICAN kit 200 t



For load cell: CA40X 100 t ... 200 t

P/N	Designation	Cn	V _{min.}	DC
803831	ZINC STEEL PLATES KIT FOR CA40X 100/200T			R2
803832	STAINLESS STEEL PLATES KIT FOR CA40X 100/200T			R2
Accessory:				
825802	EARTHING BRAID LG440 35 MM2			R2

-

Technical drawings of the STABICAN 100-200 system, showing dimensions in mm.

Side View Dimensions:

- Total height: 340 mm
- Base width: 400 mm
- Cable support width: 270 mm

Front View Dimensions:

- Total width: 365 mm
- Cable support width: 200 mm
- Cable width: 120 mm

Detail Dimensions:

- Cable support width: 200 mm
- Cable width: 120 mm

Labels:

- Plaque pour le transport (Transport plate)
- Faux Capteur, vendu séparément (Dummy load coil, sold separately)
- Câble (Cable)

Plat - for CADEX 100 - 200	STABICAN Active - Stop	STABICAN Inco - Constant Load
Force horizontale max.	180 kN	110 kN
Max. horizontal force	2 x 135 kN	2 x 135 kN

Dimensions in mm

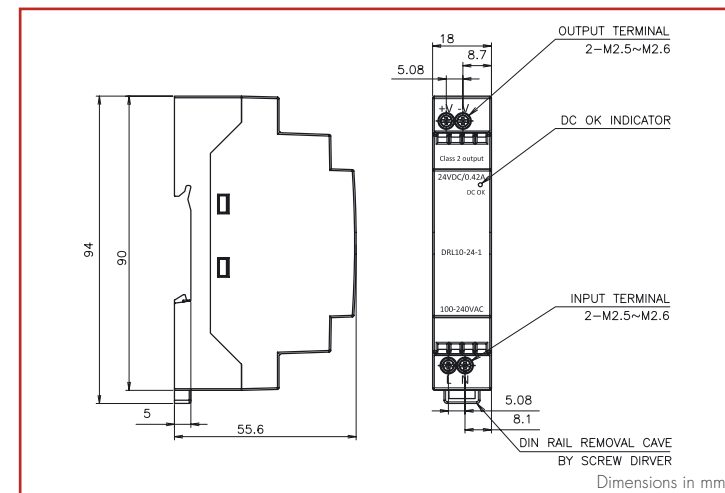
[illegible]



Associated Electronics

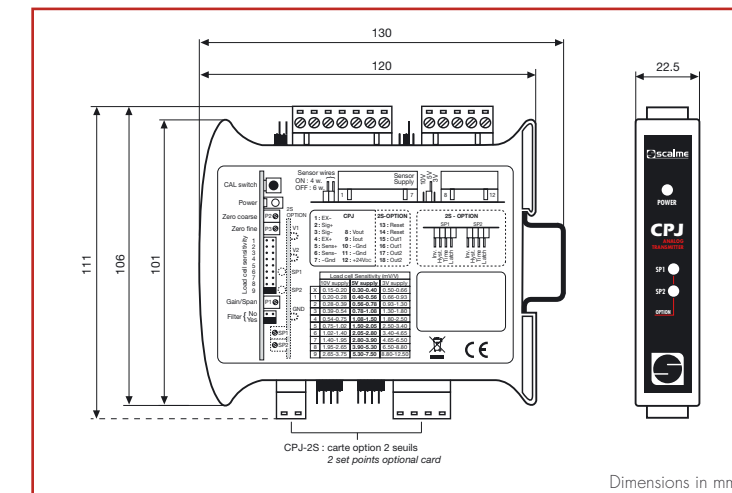
Transmitters...

-



90

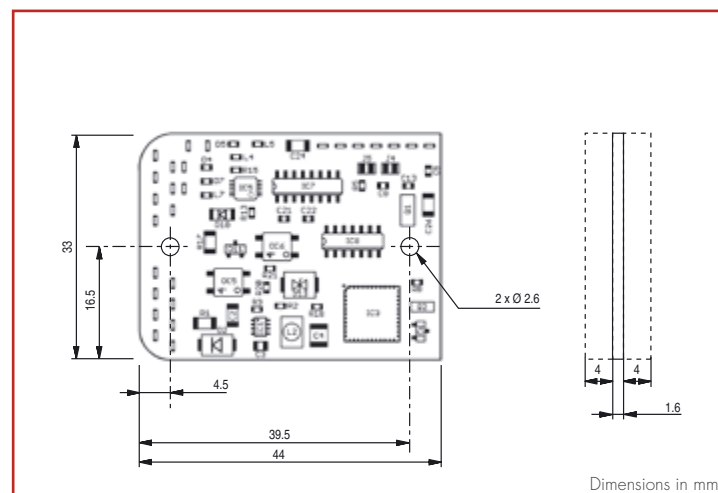
-

 91[illegible]

P/N	Designation	Cn	V _{min.}	DC
530111	CPJ BOARD			R4
530112	CPJ RAIL DIN			R4
530113	CPJ BOX			R4
530115	CPJ-2S RAIL DIN (with 2 sets points)			R4
	Options:			
850310	OPT. POTENTIOMETRIC INPUT FOR CPJ			R4
850311	OPT. SPECIFIC ANALOG FILTER FOR CPJ			R4
850312	OPT. 12VDC POWER SUPPLY FOR CPJ			R4
	Accessory:			
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220 VAC, 24 VCC, 10 W)			R4

FS: rated capacity / v_{min} = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of C_n / DC = Code put back

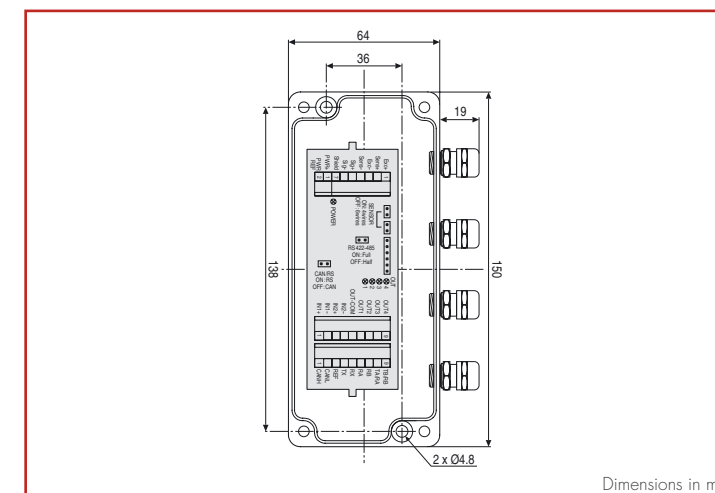
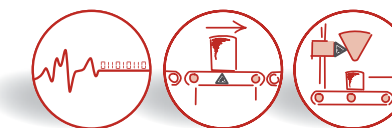
- Digital measurement transmitter board
- Up to 4 strain gauged load cells (4/6 wires)
- 24 bits A/C converter
- Programmable digital filters
- 2 digital inputs and 4 outputs
- Communication in RS485, CAN and RS232
- Exclusively sold in batches of 20 pcs



Power supply: 10 ... 28 VDC
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.003 %
Max. resolution: $\pm 1\,000\,000$ pts
Internal resolution: 24 bits
Conversion rate: 6.25 ... 1 600 meas./s.
Transmission rate: up to 1 000 meas./s.
Exclusively sold in batches of 20 pcs min.

[illegible]

- Digital measurement conditioner
- Aluminum painted box, IP65 protection
- Up to 4 strain gauged load cells (4/6 wires), 24 bits A/D converter
- Programmable digital filters
- 2 digital inputs and 2 outputs
- Communication in RS485, CAN and RS232
- Approved 6 000 d OIML R76, R51, R61



Power supply: 10 ... 28 VDC
Admissible input signal: 0 ... 7.8 mV/V
Max. resolution: $\pm 1\,000\,000$ pts
Internal resolution: 24 bits
Conversion rate: 6.25 ... 1 600 meas./s.
Transmission rate: up to 1 000 meas./s.
Function: Transmitter (T version)
 Dosing (D version)
 Checkweigher (C version)

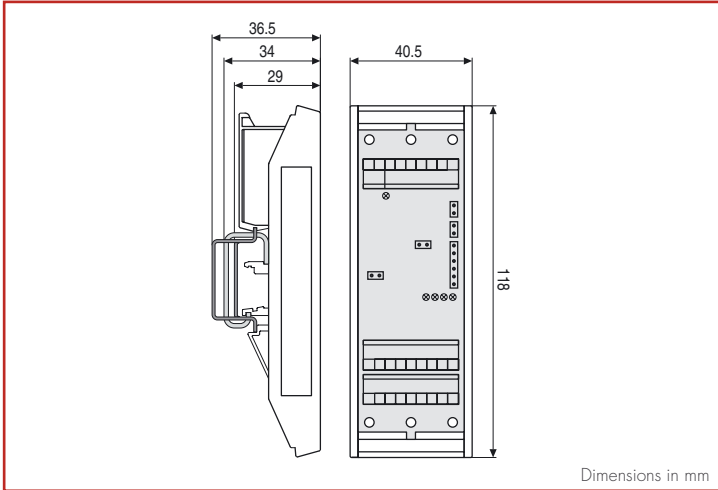
[illegible]

Weighing transmitter - Static, dynamic

ENOD3 DIN

1 600 meas./s. , ±500 000 pts

- Digital measurement conditioner
- Din Rail box
- Up to 4 strain gauged load cells (4/6 wires)
- Programmable digital filters
- 2 digital inputs and 2 outputs
- Communication in RS485, CAN and RS232



Power supply: 10 ... 28 VDC
Admissible input signal: 0 ... 7.8 mV/V
Max. resolution: ±1 000 000 pts
Internal resolution: 24 bits
Conversion rate: 6.25 ... 1 600 meas./s.
Transmission rate: up to 1 000 meas./s.
Function: Transmitter (T version)
 Dosing (D version)
 Checkweigher (C version)

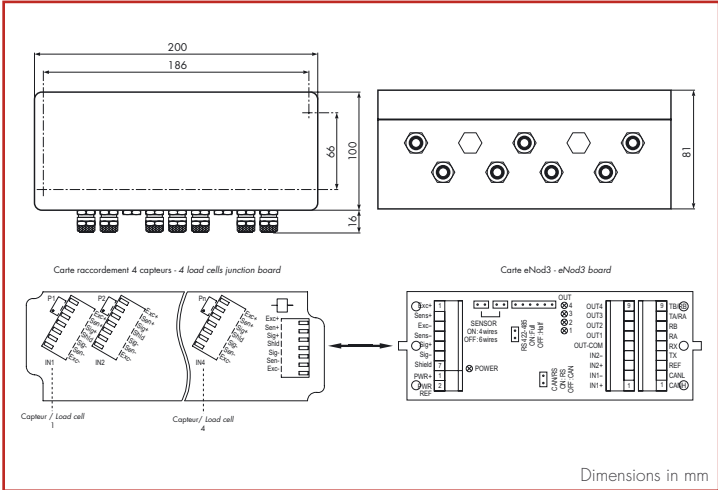
P/N	Designation	Cn	V _{min.}	DC
"Board" versions:				
530139	DIGITAL TRANSMITTER ENOD3-T CARD			R4
530120	DIGITAL CONTROLLER ENOD3-C CARD			R4
530130	DIGITAL CONTROLLER ENOD3-D CARD			R4
"Rail Din" versions:				
530137	DIGITAL TRANSMITTER ENOD3-T DIN			R4
530124	DIGITAL CONTROLLER ENOD3-C DIN			R4
530131	DIGITAL CONTROLLER ENOD3-D DIN			R4
Accessories:				
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220 VAC, 24 VCC, 10 W)			R4
640095	RS232/USB CONVERTER			R4
640096	RS485/USB CONVERTER			R3
Related product:				
	ENODVIEW SOFTWARE			

Weighing transmitter - Static, dynamic

ENOD3 JB4

1 600 meas./s. , ±500 000 pts

- Digital measurement transmitter
- Includes analog summation board of up to 4 load cells
- Aluminum painted box, IP65 protection
- Up to 4 strain gauged load cells (4/6 wires)
- Programmable digital filters
- 2 digital inputs and 4 outputs
- Communication in RS485, CAN and RS232



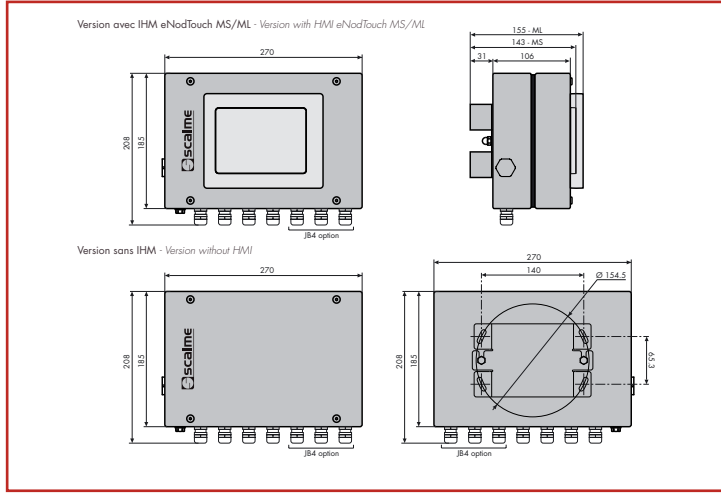
Power supply: 10 ... 28 VDC
Admissible input signal: 0 ... 7.8 mV/V
Max. resolution: ±1 000 000 pts
Internal resolution: 24 bits
Conversion rate: 6.25 ... 1 600 meas./s.
Transmission rate: up to 1 000 meas./s.
Function: Transmitter (T version)
 Dosing (D version)
 Checkweigher (C version)

P/N	Designation	Cn	V _{min.}	DC
530142	DIGITAL TRANSMITTER ENOD3-T JB4			R4
530122	DIGITAL CONTROLLER ENOD3-C JB4			R4
530133	DIGITAL CONTROLLER ENOD3-D JB4			R4
Accessories:				
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220 VAC, 24 VCC, 10 W)			R4
640095	RS232/USB CONVERTER			R4
640096	RS485/USB CONVERTER			R3
Related product:				
	ENODVIEW SOFTWARE			

ENOD4-T BOX

1 600 mes./s., ± 500 000 pts

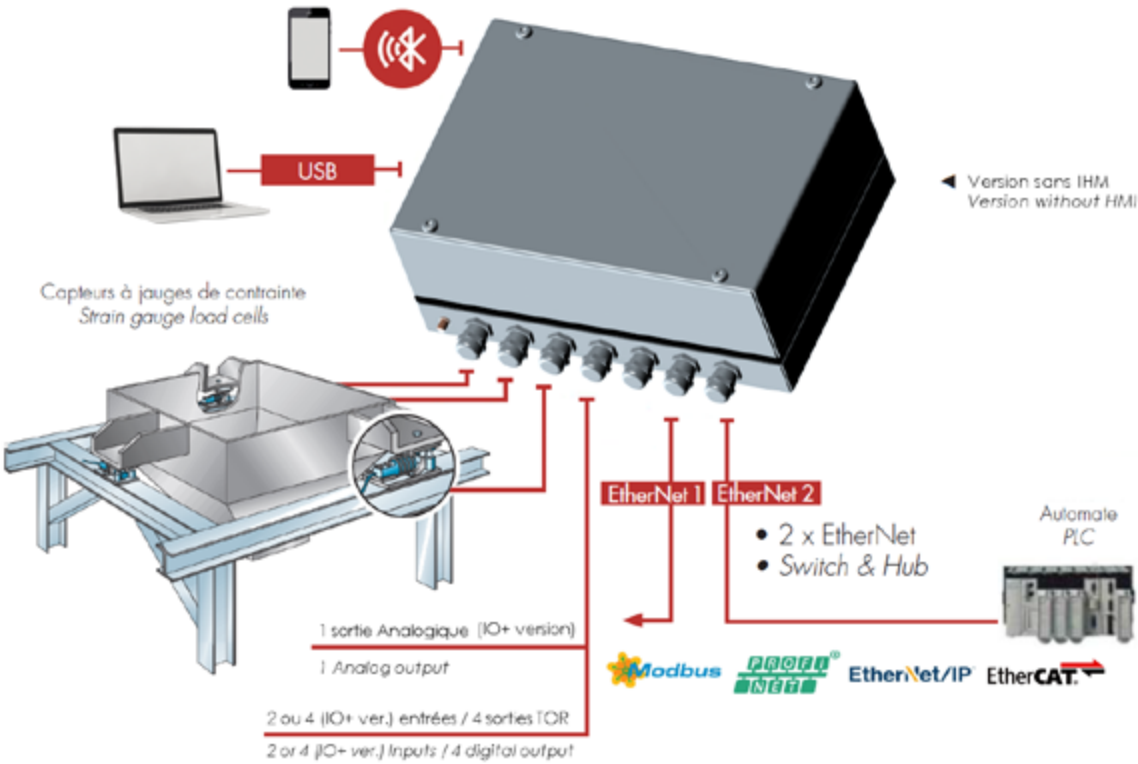
- IP65 Stainless steel housing
- Up to 8 strain gage load cells (4/6 wires)
- Certification according to OIML R76
- Programmable digital filters
- 2 digital inputs (4 with IO+ version) and 4 outputs
- Analog output 0-10 V or 4-20 mA (IO+ version)
- USB link for PC and RS485 link for HMI eNodTouch
- Optional Bluetooth communication



Power supply: 10 ... 28 Vdc
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: ±500 000 pts
Internal resolution: 24 bits
Conversion rate: 6 ... 1 600 meas./s.
Warranty: 1 year

Interfaces diagram

EtherNet Versions



CAN/RS485/PROFIBUS® versions available

Ordering references

Logiciel applicatif – Application software	
-T	Transmetteur - Transmitter
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling
-B	Doseur à bande, totalisateur continu – Belt feeder, Continuous totalizer
-F	Dosage à perte de poids – Loss-in-weight feeder

Présentation - Housing	
-DI	Version DIN, boîtier Rail DIN vertical – DIN version, DIN rail vertical housing
-BJ	Version BOX boîtier inox sans IHM – BOX version without HMI
-BS	Version BOX avec eNodTouch-MS – BOX version with eNodTouch-MS
-BL	Version BOX avec eNodTouch-ML – BOX version with eNodTouch-ML
-XJ	Version BOX ATEX/IECEx boîtier inox sans IHM – BOX ATEX/IECEx version without HMI ⁽³⁾
-XS	Version BOX ATEX/IECEx avec eNodTouch-MS – BOX ATEX/IECEx version with eNodTouch-MS ⁽³⁾
-XL	Version BOX ATEX/IECEx avec eNodTouch-ML – BOX ATEX/IECEx version with eNodTouch-ML ⁽³⁾

Alimentation et raccordement – Power supply and connection	
00	24VDC, sans carte de raccordement – without junction board
04	24VDC, carte raccordement 4 capteurs – 4 load cells junction board ⁽¹⁾
20	110-240VAC EU, sans carte de raccordement – without junction board ^{(1), (2)}

Options cartes E/S – Optional I/O board	
-0	Aucun - No
-A	Version IO+ : 0-10V/4-20mA, 2 E logiques, 1 E impulsions IO+ version: 0-10V/4-20mA output, 2 logical In, 1 pulse In

Communication sans-fil – Wireless communication	
00	Aucun - No
B0	Bluetooth

Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-SP	Profibus-DP
-EM	Ethernet, Modbus-TCP
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet
-EC	Ethernet, EtherCAT

- (1) Incompatible avec boîtier version DIN – Not compatible with DIN version
(2) Incompatible avec boîtier version BOX ATEX/IECEx – Not compatible with BOX ATEX/IECEx version
(3) Hors test et marquage ATEX/IECEx – Without test & marking

eNod4	-T					
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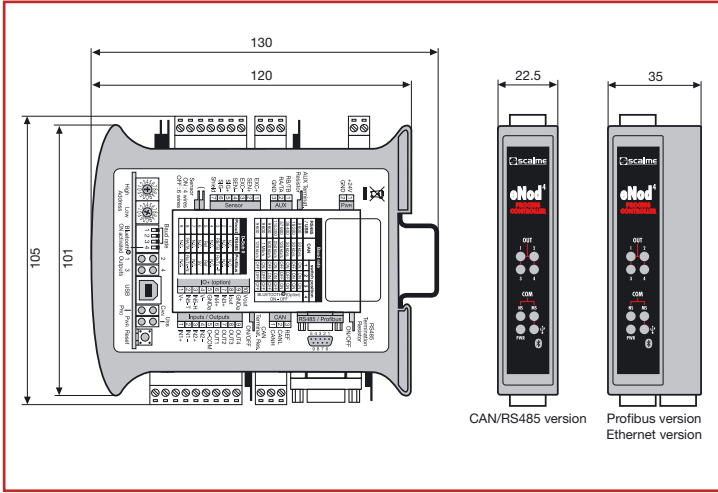
P/N	Designation	DC
Accessories:		
632121	ADJUSTABLE WALL MOUNT FOR IPC50/ IPE50XLR/ENOD4 BOX	R4
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220VAC, 24VCC, 10W)	R4
Options:		
850285	TEST & MARKING ATEX/IECEx for eNod4-BOX - 0x II 3 G D, Ex ec nA nC IIC T4 Gc, Ex tc IIIC T135°C Dc, 0°C <Ta < +40°C (zones 2/22)	R2
850290	MARKING ENOD4 WT (EN45501 OR MID)	R6
850291	MARKING NAWI ENOD4 WSC (for manufacturer holder module D)	R6
Related product:		
ENODVIEW SOFTWARE		

DC = Code pui back

ENOD4-T DIN

1 600 mes./s., ± 500 000 pts

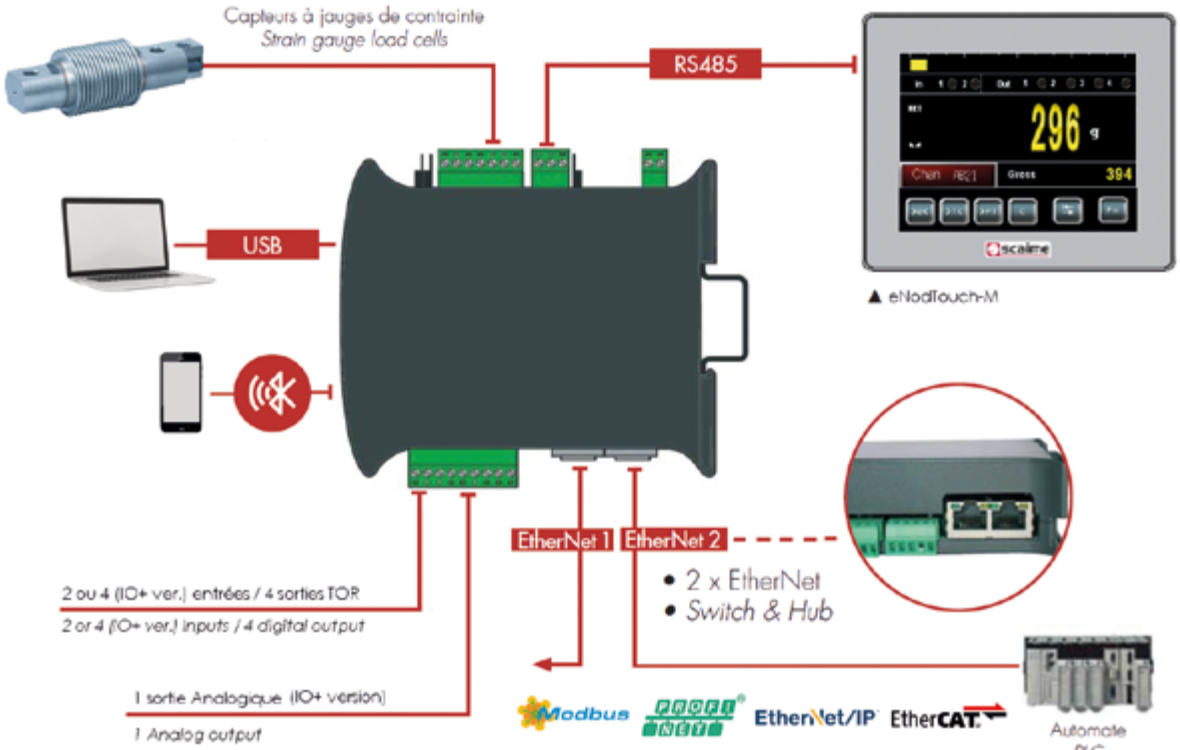
- Vertical housing for installation on DIN rail
- Up to 8 strain gage load cells (4/6 wires)
- Certification according to OIML R76
- Programmable digital filters
- 2 digital inputs (4 with IO+ version) and 4 outputs
- Analog output 0-10 V or 4-20 mA (IO+ version)
- USB link for PC and RS485 link for HMI eNodTouch
- Optional Bluetooth communication



Power supply: 10 ... 28 Vdc
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: ±500 000 pts
Internal resolution: 24 bits
Conversion rate: 6 ... 1 600 meas./s.
Warranty: 1 year

Interfaces diagram

EtherNet Versions



CAN/RS485/PROFIBUS® versions available

Ordering references

Logiciel applicatif – Application software	
-T	Transmetteur - Transmitter
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling
-B	Doseur à bande, totalisateur continu – Belt feeder, Continuous totalizer
-F	Dosage à perte de poids – Loss-in-weight feeder

Présentation - Housing	
-DI	Version DIN, boîtier Rail DIN vertical – DIN version, DIN rail vertical housing
-BJ	Version BOX boîtier inox sans IHM – BOX version without HMI
-BS	Version BOX avec eNodTouch-MS – BOX version with eNodTouch-MS
-BL	Version BOX avec eNodTouch-ML – BOX version with eNodTouch-ML
-XJ	Version BOX ATEX/IECEx boîtier inox sans IHM – BOX ATEX/IECEx version without HMI ⁽³⁾
-XS	Version BOX ATEX/IECEx avec eNodTouch-MS – BOX ATEX/IECEx version with eNodTouch-MS ⁽³⁾
-XL	Version BOX ATEX/IECEx avec eNodTouch-ML – BOX ATEX/IECEx version with eNodTouch-ML ⁽³⁾

Alimentation et raccordement – Power supply and connection	
00	24VDC, sans carte de raccordement – without junction board
04	24VDC, carte raccordement 4 capteurs – 4 load cells junction board ⁽¹⁾
20	110-240VAC EU, sans carte de raccordement – without junction board ^{(1), (2)}

Options cartes E/S – Optional I/O board	
-0	Aucun - No
-A	Version IO+ : 0-10V/4-20mA, 2 E logiques, 1 E impulsions IO+ version: 0-10V/4-20mA output, 2 logical In, 1 pulse In

Communication sans-fil – Wireless communication	
00	Aucun - No
B0	Bluetooth

Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-SP	Profibus-DP
-EM	Ethernet, Modbus-TCP
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet
-EC	Ethernet, EtherCAT

- (1) Incompatible avec boîtier version DIN – Not compatible with DIN version
(2) Incompatible avec boîtier version BOX ATEX/IECEx – Not compatible with BOX ATEX/IECEx version
(3) Hors test et marquage ATEX/IECEx – Without test & marking ATEX/IECEx

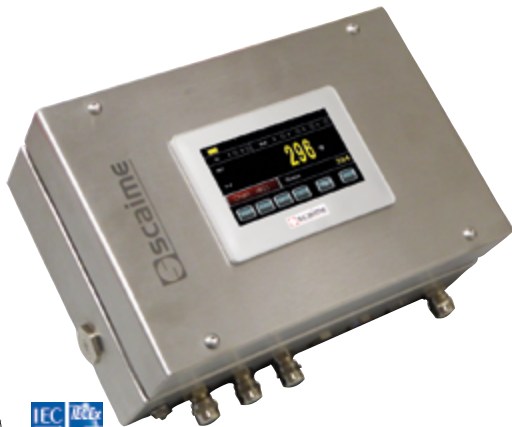
eNod4	-T	-DI	00			
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P/N	Designation	DC
Accessory:		
640151	DRL 10-24 RAIL DIN POWER SUPPLY (110/220VAC, 24VCC, 10W)	R4
Options:		
850290	MARKING ENOD4 WT (EN45501 OR MID)	R6
850291	MARKING NAWI ENOD4 WSC (for manufacturer holder module D)	R6
Related product:		
	ENODVIEW SOFTWARE	

ENOD4-C BOX

Checkweighing

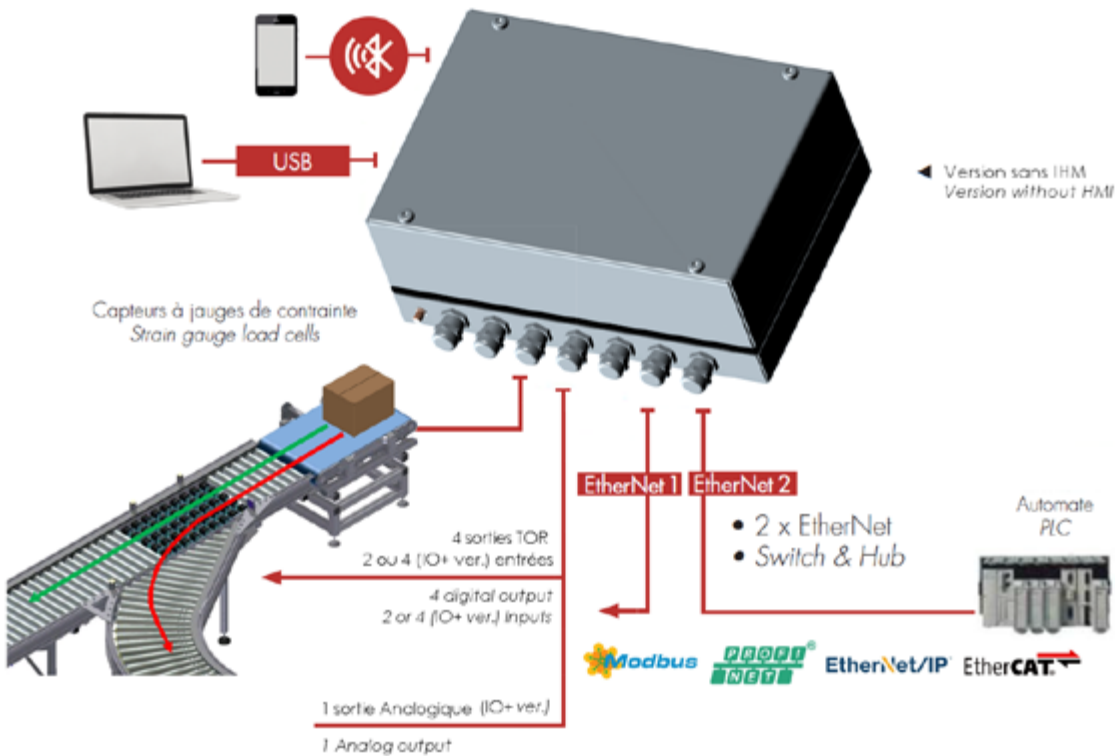
- IP65 Stainless steel housing
- Up to 8 strain gage load cells (4/6 wires)
- Function: Static or dynamic checkweighing
- Certification according to OIML R76, R51
- 2 digital inputs (4 with IO+ version) and 4 outputs
- Analog output 0-10 V or 4-20 mA (IO+ version)
- USB link for PC and RS485 link for HMI eNodTouch
- Optional Bluetooth communication



Power supply: 10 ... 28 Vdc
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: $\pm 500\,000$ pts
Internal resolution: 24 bits
Conversion rate: 6 ... 1 600 meas./s.
Warranty: 1 year

Interfaces diagram

EtherNet Versions



CAN/RS485/PROFIBUS® versions available

Ordering references

Anwendungssoftware – Application software	
-T	Transmitter - Transmitter
-C	Sortierer/Etikettierer - Checkweigher
-D	Batch-Dosierung – Batch dosing, Filling
-B	Dosierbandwaage, kontinuierlicher Summenzähler – Belt feeder, Continuous totalizer
-F	Differenzialdosierung – Loss-in-weight feeder

Beschreibung - Housing	
-DI	DIN-Version, vertikales DIN-Schienen-Gehäuse – DIN version, DIN rail vertical housing
-BJ	BOX-Version Edelstahlgehäuse ohne HMI – BOX version without HMI
-BS	BOX-Version mit eNodTouch-MS – BOX version with eNodTouch-MS
-BL	BOX-Version mit eNodTouch-ML – BOX version with eNodTouch-ML
-XJ	BOX-Version ATEX/IECEx-Edelstahlgehäuse ohne HMI – BOX ATEX/IECEx version without HMI (3)
-XS	BOX-Version ATEX/IECEx mit eNodTouch-MS – BOX ATEX/IECEx version with eNodTouch-MS (3)
-XL	BOX-Version ATEX/IECEx mit eNodTouch-ML – BOX ATEX/IECEx version with eNodTouch-ML (3)

Stromversorgung und Anschluss – Power supply and connection	
00	24VDC, ohne Anschlusskarte – without junction board
04	24VDC, 4-Sensor-Anschlusskarte – 4 load cells junction board (1)
20	110-240VAC EU, ohne Anschlusskarte – without junction board (1), (2)

Karten-Optionen E/S – Optional I/O board	
-0	Keine - No
-A	Version IO+ : 0-10V/4-20mA, 2 E Logik, 1 E Impuls IO+ version: 0-10V/4-20mA output, 2 logical In, 1 pulse In

Drahtlose Kommunikation – Wireless communication	
00	Keine - No
B0	Bluetooth

API-Konnektivität- PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-SP	Profibus-DP
-EM	Ethernet, Modbus-TCP
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet
-EC	Ethernet, EtherCAT

- (1) Nicht kompatibel mit DIN-Gehäusen – Not compatible with DIN version
(2) Nicht kompatibel mit ATEX/IECEx BOX-Version – Not compatible with BOX ATEX/IECEx version
(3) Nicht geprüft und gekennzeichnet ATEX/IECEx – Without test & marking ATEX/IECEx

eNod4	-C					
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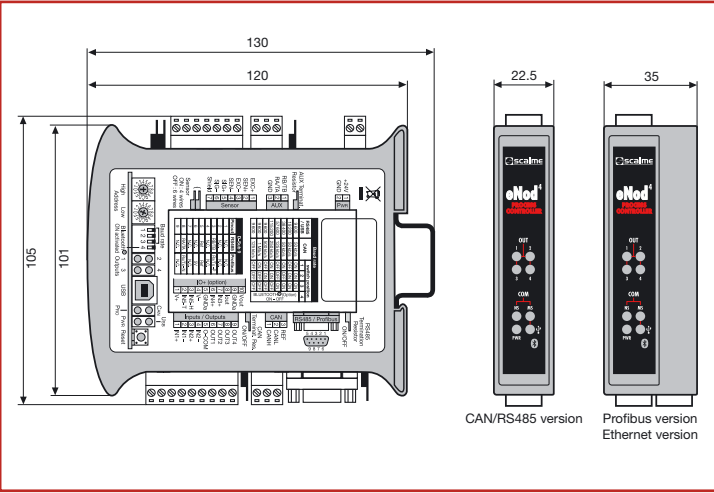
P/N	Designation	DC
Accessories:		
632121	ADJUSTABLE WALL MOUNT FOR IPC50/ IPE50XLR/ENOD4 BOX	R4
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220VAC, 24VCC, 10W)	R4
Options:		
850285	TEST & MARKING ATEX/IECEx for eNod4-BOX - 0x II 3 G D, Ex ec nA nC IIC T4 Gc, Ex tc IIIC T135°C Dc, 0°C <Ta < +40°C (zones 2/22)	R2
850290	MARKING ENOD4 WT (EN45501 OR MID)	R6
850291	MARKING NAWI ENOD4 WSC (for manufacturer holder module D)	R6
850292	MARKING AWI ENOD4 CKW STOP&GO (for manufacturer holder module D)	R6
Related product:		
ENODVIEW SOFTWARE		

DC = Code put back

ENOD4-C DIN

Checkweighing

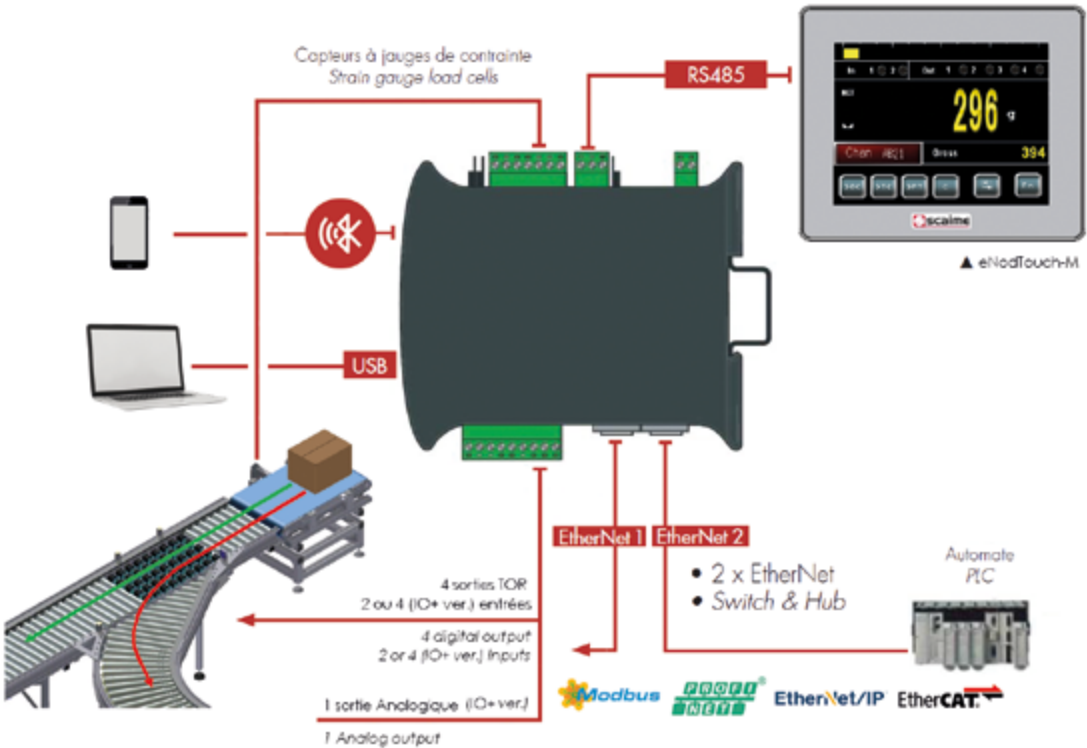
- Vertical housing for installation on DIN rail
- Up to 8 strain gage load cells (4/6 wires)
- Function: Static or dynamic checkweighing
- Certification according to OIML R76, R51
- 2 digital inputs (4 with IO+ version) and 4 outputs
- Analog output 0-10 V or 4-20 mA (IO+ version)
- USB link for PC and RS485 link for HMI eNodTouch
- Optional Bluetooth communication



Power supply: 10 ... 28 Vdc
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: $\pm 500\,000$ pts
Internal resolution: 24 bits
Conversion rate: 6 ... 1 600 meas./s.
Warranty: 1 year

Interfaces diagram

EtherNet Versions



CAN/RS485/PROFIBUS® versions available



Ordering references

Logiciel applicatif – Application software	
-T	Transmetteur - Transmitter
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling
-B	Doseur à bande, totalisateur continu – Belt feeder, Continuous totalizer
-F	Dosage à perte de poids – Loss-in-weight feeder

Présentation - Housing	
-DI	Version DIN, boîtier Rail DIN vertical – DIN version, DIN rail vertical housing
-BJ	Version BOX boîtier inox sans IHM – BOX version without HMI
-BS	Version BOX avec eNodTouch-MS – BOX version with eNodTouch-MS
-BL	Version BOX avec eNodTouch-ML – BOX version with eNodTouch-ML
-XJ	Version BOX ATEX/IECEx boîtier inox sans IHM – BOX ATEX/IECEx version without HMI ⁽³⁾
-XS	Version BOX ATEX/IECEx avec eNodTouch-MS – BOX ATEX/IECEx version with eNodTouch-MS ⁽³⁾
-XL	Version BOX ATEX/IECEx avec eNodTouch-ML – BOX ATEX/IECEx version with eNodTouch-ML ⁽³⁾

Alimentation et raccordement – Power supply and connection	
00	24VDC, sans carte de raccordement – without junction board
04	24VDC, carte raccordement 4 capteurs – 4 load cells junction board ⁽¹⁾
20	110-240VAC EU, sans carte de raccordement – without junction board ^{(1), (2)}

Options cartes E/S – Optional I/O board	
-0	Aucun - No
-A	Version IO+ : 0-10V/4-20mA, 2 E logiques, 1 E impulsions IO+ version: 0-10V/4-20mA output, 2 logical In, 1 pulse In

Communication sans-fil – Wireless communication	
00	Aucun - No
B0	Bluetooth

Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-SP	Profibus-DP
-EM	Ethernet, Modbus-TCP
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet
-EC	Ethernet, EtherCAT

- (1) Incompatible avec boîtier version DIN – Not compatible with DIN version
(2) Incompatible avec boîtier version BOX ATEX/IECEx – Not compatible with BOX ATEX/IECEx version
(3) Hors test et marquage ATEX/IECEx – Without test & marking ATEX/IECEx

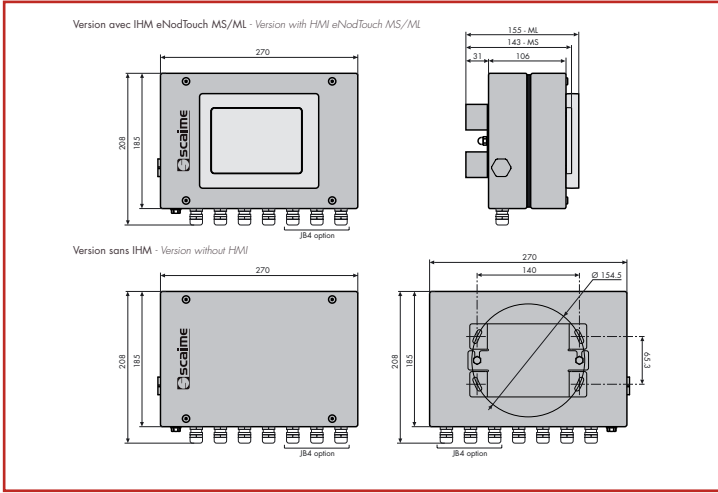
eNod4	-C	-DI	00			
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P/N	Designation	DC
Accessory:		
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220VAC, 24VCC, 10W)	R4
Options:		
850290	MARKING ENOD4 WT (EN45501 OR MID)	R6
850291	MARKING NAWI ENOD4 WSC (for manufacturer holder module D)	R6
850292	MARKING AWI ENOD4 CKW STOP&GO (for manufacturer holder module D)	R6
Related product:		
	ENODVIEW SOFTWARE	

ENOD4-D BOX

Filling, Batch dosing

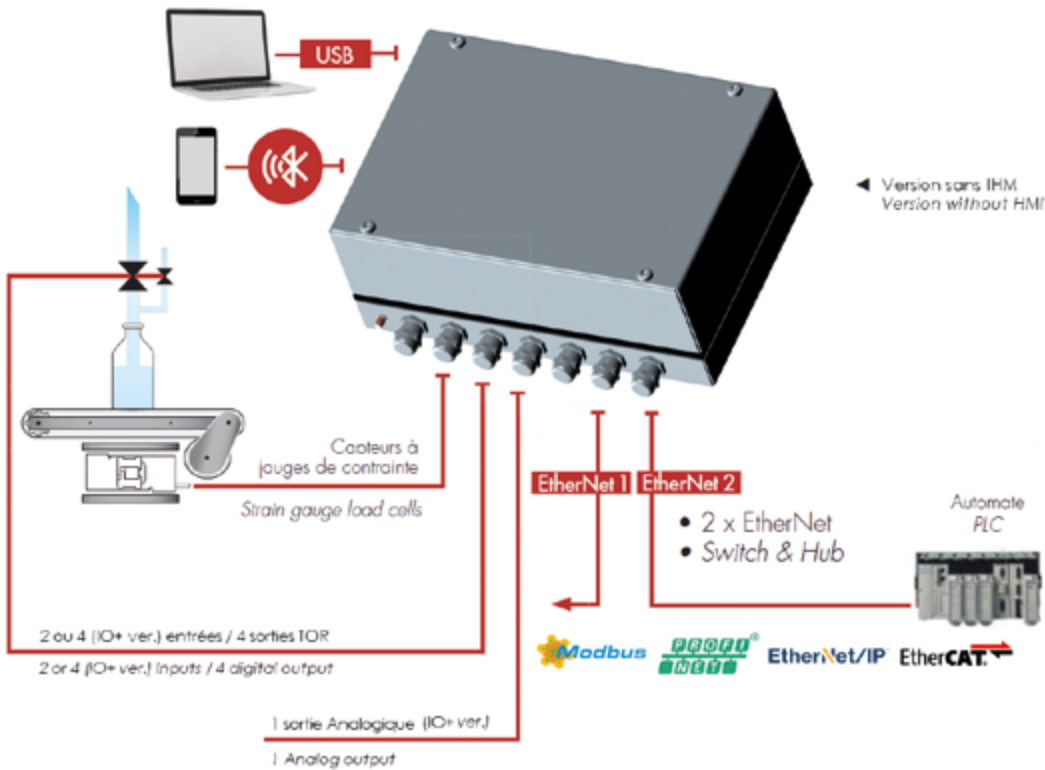
- IP65 Stainless steel housing
- Up to 8 strain gage load cells (4/6 wires)
- Function: Batch dosing, filling and unloading
- Certification according to OIML R76, R61
- 2 digital inputs (4 with IO+ version) and 4 outputs
- Analog output 0-10 V or 4-20 mA (IO+ version)
- USB link for PC and RS485 link for HMI eNodTouch
- Optional Bluetooth communication



Power supply: 10 ... 28 Vdc
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: $\pm 500\,000$ pts
Internal resolution: 24 bits
Conversion rate: 6 ... 1 600 meas./s.
Warranty: 1 year

Interfaces diagram

EtherNet Versions



CAN/RS485/PROFIBUS® versions available

Ordering references

Logiciel applicatif – Application software	
-T	Transmetteur - Transmitter
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling
-B	Doseur à bande, totalisateur continu – Belt feeder, Continuous totalizer
-F	Dosage à perte de poids – Loss-in-weight feeder

Présentation - Housing	
-DI	Version DIN, boîtier Rail DIN vertical – DIN version, DIN rail vertical housing
-BJ	Version BOX boîtier inox sans IHM – BOX version without HMI
-BS	Version BOX avec eNodTouch-MS – BOX version with eNodTouch-MS
-BL	Version BOX avec eNodTouch-ML – BOX version with eNodTouch-ML
-XJ	Version BOX ATEX/IECEx boîtier inox sans IHM – BOX ATEX/IECEx version without HMI ⁽³⁾
-XS	Version BOX ATEX/IECEx avec eNodTouch-MS – BOX ATEX/IECEx version with eNodTouch-MS ⁽³⁾
-XL	Version BOX ATEX/IECEx avec eNodTouch-ML – BOX ATEX/IECEx version with eNodTouch-ML ⁽³⁾

Alimentation et raccordement – Power supply and connection	
00	24VDC, sans carte de raccordement – without junction board
04	24VDC, carte raccordement 4 capteurs – 4 load cells junction board ⁽¹⁾
20	110-240VAC EU, sans carte de raccordement – without junction board ^{(1), (2)}

Options cartes E/S – Optional I/O board	
-0	Aucun - No
-A	Version IO+ : 0-10V/4-20mA, 2 E logiques, 1 E impulsions IO+ version: 0-10V/4-20mA output, 2 logical In, 1 pulse In

Communication sans-fil – Wireless communication	
00	Aucun - No
B0	Bluetooth

Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-SP	Profibus-DP
-EM	Ethernet, Modbus-TCP
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet
-EC	Ethernet, EtherCAT

- (1) Incompatible avec boîtier version DIN – Not compatible with DIN version
(2) Incompatible avec boîtier version BOX ATEX/IECEx – Not compatible with BOX ATEX/IECEx version
(3) Hors test et marquage ATEX/IECEx – Without test & marking

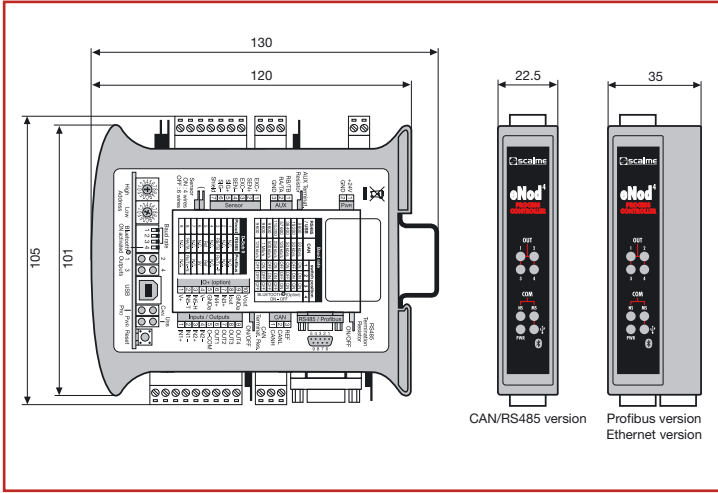
eNod4	-D					
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P/N	Designation	DC
Accessories:		
632121	ADJUSTABLE WALL MOUNT FOR IPC50/ IPE50XLR/ ENOD4 BOX	R4
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220VAC, 24VCC, 10W)	R4
Options:		
850285	TEST & MARKING ATEX/IECEx for eNod4-BOX - ②x II 3 G D, Ex ec nA nC IIC T4 Gc, Ex tc IIC T135°C Dc, 0°C <Ta < +40°C (zones 2/22)	R2
850290	MARKING ENOD4 WT (EN45501 OR MID)	R6
850291	MARKING NAWI ENOD4 WSC (for manufacturer holder module D)	R6
Related product:		
ENODVIEW SOFTWARE		

ENOD4-D DIN

Filling, Batch dosing

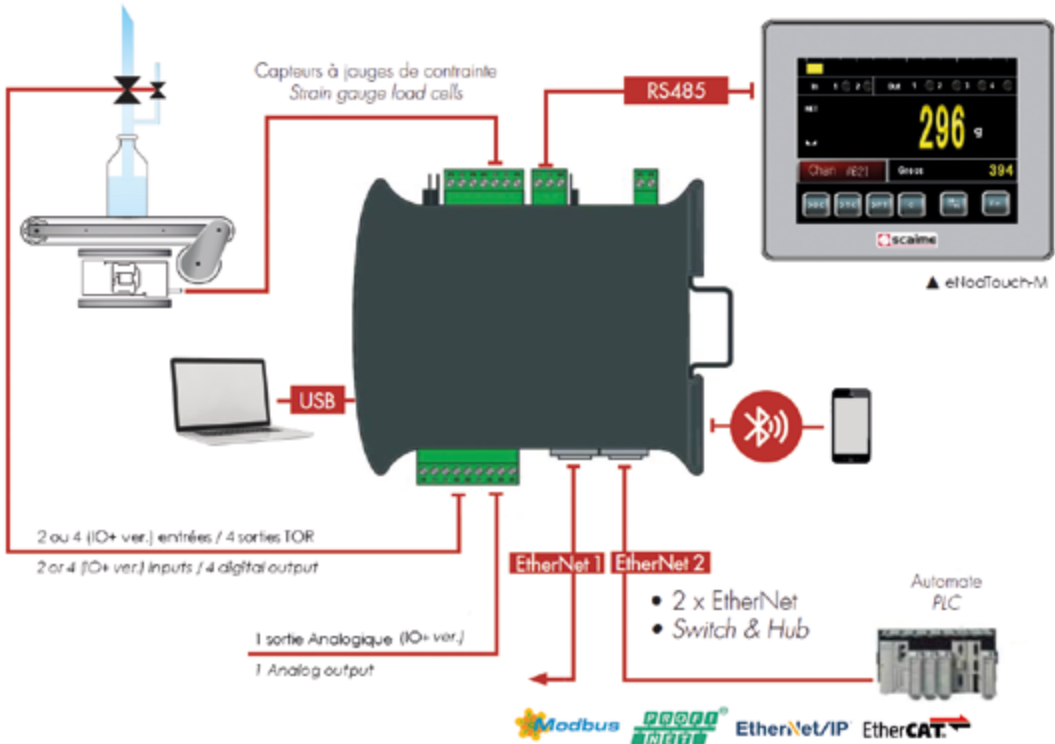
- Vertical housing for installation on DIN rail
- Up to 8 strain gage load cells (4/6 wires)
- Function: Batch dosing, filling and unloading
- Certification according to OIML R76, R61
- 2 digital inputs (4 with IO+ version) and 4 outputs
- Analog output 0-10 V or 4-20 mA (IO+ version)
- USB link for PC and RS485 link for HMI eNodTouch
- Optional Bluetooth communication



Power supply: 10 ... 28 Vdc
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: $\pm 500\,000$ pts
Internal resolution: 24 bits
Conversion rate: 6 ... 1 600 meas./s.
Warranty: 1 year

Interfaces diagram

EtherNet Versions



CAN/RS485/PROFIBUS® versions available

Ordering references

Logiciel applicatif – Application software	
-T	Transmetteur - Transmitter
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling
-B	Doseur à bande, totalisateur continu – Belt feeder, Continuous totalizer
-F	Dosage à perte de poids – Loss-in-weight feeder

Présentation - Housing	
-DI	Version DIN, boîtier Rail DIN vertical – DIN version, DIN rail vertical housing
-BJ	Version BOX boîtier inox sans IHM – BOX version without HMI
-BS	Version BOX avec eNodTouch-MS – BOX version with eNodTouch-MS
-BL	Version BOX avec eNodTouch-ML – BOX version with eNodTouch-ML
-XJ	Version BOX ATEX/IECEx boîtier inox sans IHM – BOX ATEX/IECEx version without HMI ⁽³⁾
-XS	Version BOX ATEX/IECEx avec eNodTouch-MS – BOX ATEX/IECEx version with eNodTouch-MS ⁽³⁾
-XL	Version BOX ATEX/IECEx avec eNodTouch-ML – BOX ATEX/IECEx version with eNodTouch-ML ⁽³⁾

Alimentation et raccordement – Power supply and connection	
00	24VDC, sans carte de raccordement – without junction board
04	24VDC, carte raccordement 4 capteurs – 4 load cells junction board ⁽¹⁾
20	110-240VAC EU, sans carte de raccordement – without junction board ^{(1), (2)}

Options cartes E/S – Optional I/O board	
-0	Aucun - No
-A	Version IO+ : 0-10V/4-20mA, 2 E logiques, 1 E impulsions IO+ version: 0-10V/4-20mA output, 2 logical In, 1 pulse In

Communication sans-fil – Wireless communication	
00	Aucun - No
B0	Bluetooth

Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-SP	Profibus-DP
-EM	Ethernet, Modbus-TCP
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet
-EC	Ethernet, EtherCAT

- (1) Incompatible avec boîtier version DIN – Not compatible with DIN version
(2) Incompatible avec boîtier version BOX ATEX/IECEx – Not compatible with BOX ATEX/IECEx version
(3) Hors test et marquage ATEX/IECEx – Without test & marking ATEX/IECEx

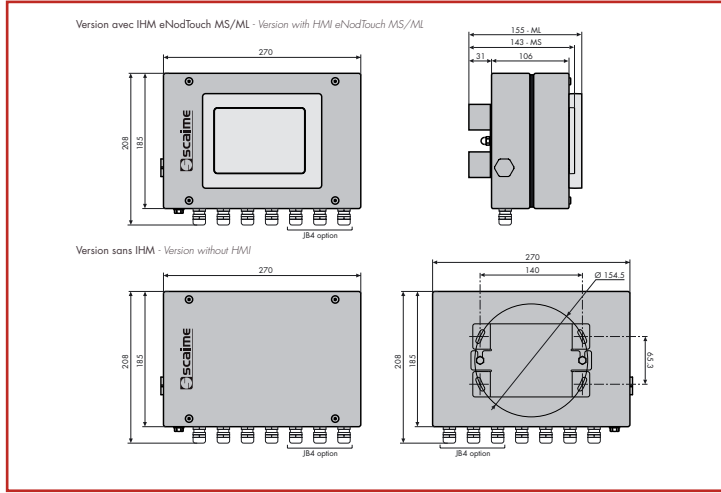
eNod4	-D	-DI	00			
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P/N	Designation	DC
Accessory:		
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220VAC, 24VCC, 10W)	R4
Options:		
850290	MARKING ENOD4 WT (EN45501 OR MID)	R6
850291	MARKING NAWI ENOD4 WSC (for manufacturer holder module D)	R6
Related product:		
	ENODVIEW SOFTWARE	

ENOD4-F BOX

Loss-in-weight feeder

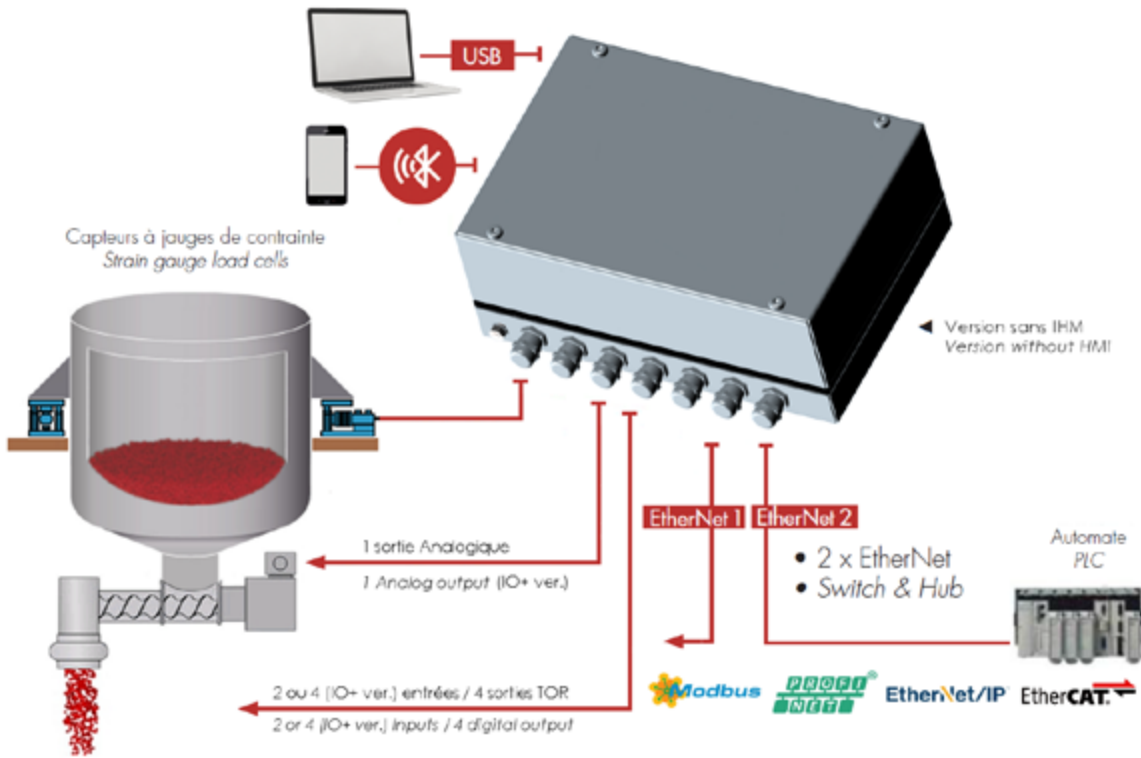
- IP65 Stainless steel housing
- Up to 8 strain gage load cells (4/6 wires)
- Continuous totalizing and flow rate control
- Automatic control of feeder refilling
- 2 digital inputs (4 with IO+ version) and 4 outputs
- Analog output 0-10 V or 4-20 mA (IO+ version)
- USB link for PC and RS485 link for HMI eNodTouch
- Optional Bluetooth communication



Power supply: 10 ... 28 Vdc
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: $\pm 500\,000$ pts
Internal resolution: 24 bits
Conversion rate: 6 ... 200 meas./s.
Warranty: 1 year

Interfaces diagram

EtherNet Versions



CAN/RS485/PROFIBUS® versions available

Ordering references

Logiciel applicatif – Application software	
-T	Transmetteur - Transmitter
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling
-B	Doseur à bande, totalisateur continu – Belt feeder, Continuous totalizer
-F	Dosage à perte de poids – Loss-in-weight feeder

Présentation - Housing	
-DI	Version DIN, boîtier Rail DIN vertical – DIN version, DIN rail vertical housing
-BJ	Version BOX boîtier inox sans IHM – BOX version without HMI
-BS	Version BOX avec eNodTouch-MS – BOX version with eNodTouch-MS
-BL	Version BOX avec eNodTouch-ML – BOX version with eNodTouch-ML
-XJ	Version BOX ATEX/IECEx boîtier inox sans IHM – BOX ATEX/IECEx version without HMI ⁽³⁾
-XS	Version BOX ATEX/IECEx avec eNodTouch-MS – BOX ATEX/IECEx version with eNodTouch-MS ⁽³⁾
-XL	Version BOX ATEX/IECEx avec eNodTouch-ML – BOX ATEX/IECEx version with eNodTouch-ML ⁽³⁾

Alimentation et raccordement – Power supply and connection	
00	24VDC, sans carte de raccordement – without junction board
04	24VDC, carte raccordement 4 capteurs – 4 load cells junction board ⁽¹⁾
20	110-240VAC EU, sans carte de raccordement – without junction board ^{(1), (2)}

Options cartes E/S – Optional I/O board	
-0	Aucun - No
-A	Version IO+ : 0-10V/4-20mA, 2 E logiques, 1 E impulsions IO+ version: 0-10V/4-20mA output, 2 logical In, 1 pulse In

Communication sans-fil – Wireless communication	
00	Aucun - No
B0	Bluetooth

Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-SP	Profibus-DP
-EM	Ethernet, Modbus-TCP
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet
-EC	Ethernet, EtherCAT

- (1) Incompatible avec boîtier version DIN – Not compatible with DIN version
(2) Incompatible avec boîtier version BOX ATEX/IECEx – Not compatible with BOX ATEX/IECEx version
(3) Hors test et marquage ATEX/IECEx – Without test & marking

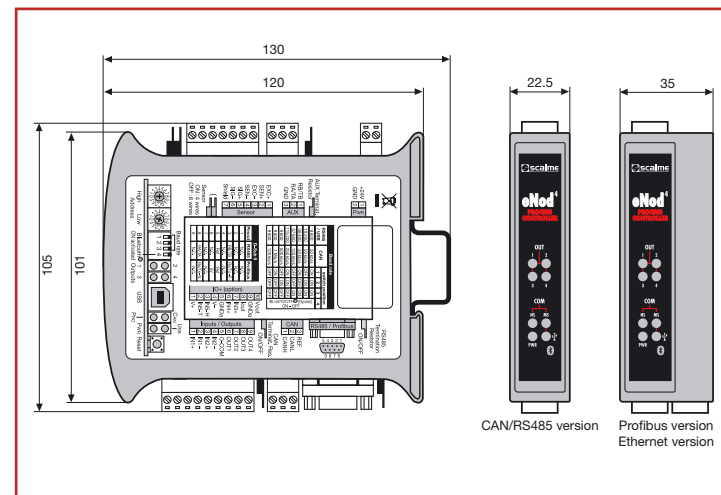
eNod4	-F					
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P/N	Designation	DC
Accessories:		
632121	ADJUSTABLE WALL MOUNT FOR IPC50/ IPE50XLR/ ENOD4 BOX	R4
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220VAC, 24VCC, 10W)	R4
Options:		
850285	TEST & MARKING ATEX/IECEx for eNod4-BOX - $\text{Ex II 3 G D, Ex ec nA nC IIC T4 Gc, Ex tc III C T135°C Dc, 0°C <T_a < +40°C}$ (zones 2/22)	R2
Related product:		
ENODVIEW SOFTWARE		

ENOD4-F DIN

Loss-in-weight feeder

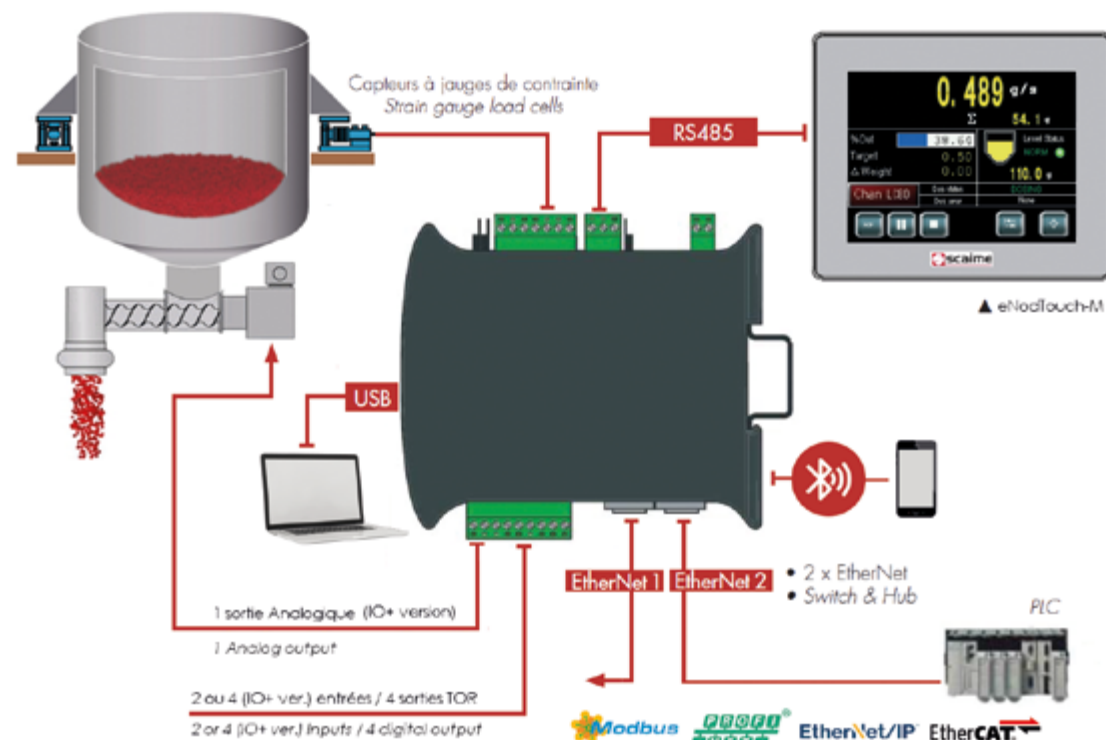
- Vertical housing for installation on DIN rail
- Up to 8 strain gage load cells (4/6 wires)
- Continuous totalizing and flow rate control
- Automatic control of feeder refilling
- 2 digital inputs (4 with IO+ version) and 4 outputs
- Analog output 0-10 V or 4-20 mA (IO+ version)
- USB link for PC and RS485 link for HMI eNodTouch
- Optional Bluetooth communication



Power supply: 10 ... 28 Vdc
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: $\pm 500\,000$ pts
Internal resolution: 24 bits
Conversion rate: 6 ... 200 meas./s.
Warranty: 1 year

Interfaces diagram

EtherNet Versions



CAN/RS485/PROFIBUS® versions available

Ordering references

Logiciel applicatif – Application software	
-T	Transmetteur - <i>Transmitter</i>
-C	Trieur étiqueteur - <i>Checkweigher</i>
-D	Dosage par batch – <i>Batch dosing, Filling</i>
-B	Doseur à bande, totalisateur continu – <i>Belt feeder, Continuous totalizer</i>
-F	Dosage à perte de poids – <i>Loss-in-weight feeder</i>

Présentation - Housing	
-DI	Version DIN, boîtier Rail DIN vertical – DIN version, DIN rail vertical housing
-BJ	Version BOX boîtier inox sans IHM – BOX version without HMI
-BS	Version BOX avec eNodTouch-MS – BOX version with eNodTouch-MS
-BL	Version BOX avec eNodTouch-ML – BOX version with eNodTouch-ML
-XJ	Version BOX ATEX/IECEx boîtier inox sans IHM – BOX ATEX/IECEx version without HMI ⁽³⁾
-XS	Version BOX ATEX/IECEx avec eNodTouch-MS – BOX ATEX/IECEx version with eNodTouch-MS ⁽³⁾
-XL	Version BOX ATEX/IECEx avec eNodTouch-ML – BOX ATEX/IECEx version with eNodTouch-ML ⁽³⁾

Alimentation et raccordement – Power supply and connection	
00	24VDC, sans carte de raccordement – <i>without junction board</i>
04	24VDC, carte raccordement 4 capteurs – <i>4 load cells junction board</i> ⁽¹⁾
20	110-240VAC EU, sans carte de raccordement – <i>without junction board</i> ^{(1), (2)}

Options cartes E/S – Optional I/O board	
-0	Aucun - No
-A	Version IO+ : 0-10V/4-20mA, 2 E logiques, 1 E impulsions IO+ version: 0-10V/4-20mA output, 2 logical In, 1 pulse In

Communication sans-fil – Wireless communication	
00	Aucun - No
B0	Bluetooth

Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-SP	Profibus-DP
-EM	Ethernet, Modbus-TCP
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet
-EC	Ethernet, EtherCAT

(1) Incompatible avec boîtier version DIN – Not compatible with DIN version
(2) Incompatible avec boîtier version BOX ATEX/IECEx – Not compatible with BOX ATEX/IECEx version
(3) Hors test et marquage ATEX/IECEx – Without test & marking ATEX/IECEx

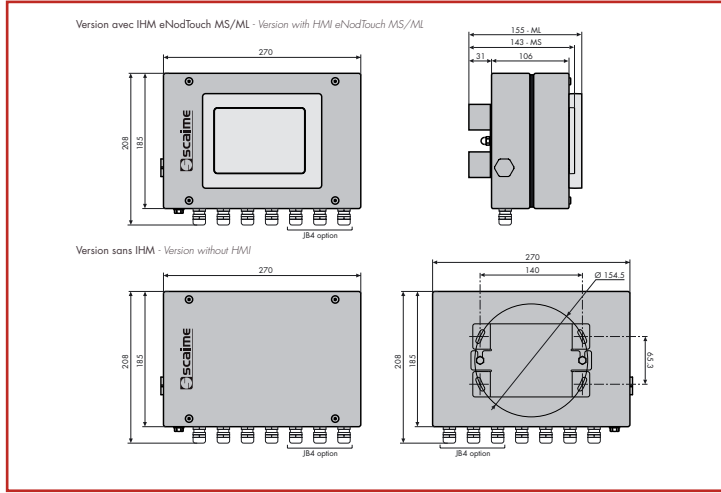
eNod4	-F	-DI	00			
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ENOD4-B BOX

Continuous totalizing, Belt feeder

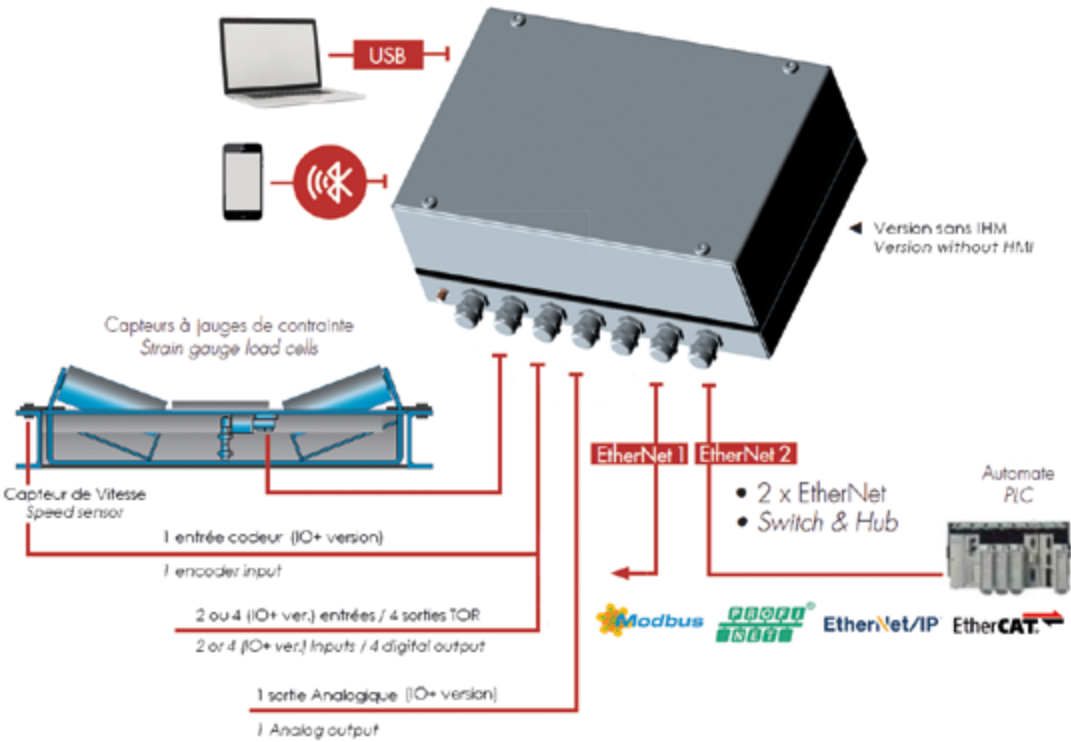
- IP65 Stainless steel housing
- Up to 8 strain gage load cells (4/6 wires)
- Continuous flow rate and weight total calculation
- 1 input for belt speed sensor
- 2 digital inputs (4 with IO+ version) and 4 outputs
- Analog output 0-10 V or 4-20 mA (IO+ version)
- USB link for PC and RS485 link for HMI eNodTouch
- Optional Bluetooth communication



Power supply: 10 ... 28 VDC
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: $\pm 500\,000$ pts
Internal resolution: 24 bits
Conversion rate: 400 meas./s.
Warranty: 1 year

Interfaces diagram

EtherNet Versions



CAN/RS485/PROFIBUS® versions available

Ordering references

Logiciel applicatif – Application software	
-T	Transmetteur - Transmitter
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling
-B	Doseur à bande, totalisateur continu – Belt feeder, Continuous totalizer
-F	Dosage à perte de poids – Loss-in-weight feeder

Présentation - Housing	
-DI	Version DIN, boîtier Rail DIN vertical – DIN version, DIN rail vertical housing
-BJ	Version BOX boîtier inox sans IHM – BOX version without HMI
-BS	Version BOX avec eNodTouch-MS – BOX version with eNodTouch-MS
-BL	Version BOX avec eNodTouch-ML – BOX version with eNodTouch-ML
-XJ	Version BOX ATEX/IECEx boîtier inox sans IHM – BOX ATEX/IECEx version without HMI ⁽³⁾
-XS	Version BOX ATEX/IECEx avec eNodTouch-MS – BOX ATEX/IECEx version with eNodTouch-MS ⁽³⁾
-XL	Version BOX ATEX/IECEx avec eNodTouch-ML – BOX ATEX/IECEx version with eNodTouch-ML ⁽³⁾

Alimentation et raccordement – Power supply and connection	
00	24VDC, sans carte de raccordement – without junction board
04	24VDC, carte raccordement 4 capteurs – 4 load cells junction board ⁽¹⁾
20	110-240VAC EU, sans carte de raccordement – without junction board ^{(1), (2)}

Options cartes E/S – Optional I/O board	
-0	Aucun - No
-A	Version IO+ : 0-10V/4-20mA, 2 E logiques, 1 E impulsions IO+ version: 0-10V/4-20mA output, 2 logical In, 1 pulse In

Communication sans-fil – Wireless communication	
00	Aucun - No
B0	Bluetooth

Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-SP	Profibus-DP
-EM	Ethernet, Modbus-TCP
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet
-EC	Ethernet, EtherCAT

(1) Incompatible avec boîtier version DIN – Not compatible with DIN version
(2) Incompatible avec boîtier version BOX ATEX/IECEx – Not compatible with BOX ATEX/IECEx version
(3) Hors test et marquage ATEX/IECEx – Without test & marking

eNod4	-B						
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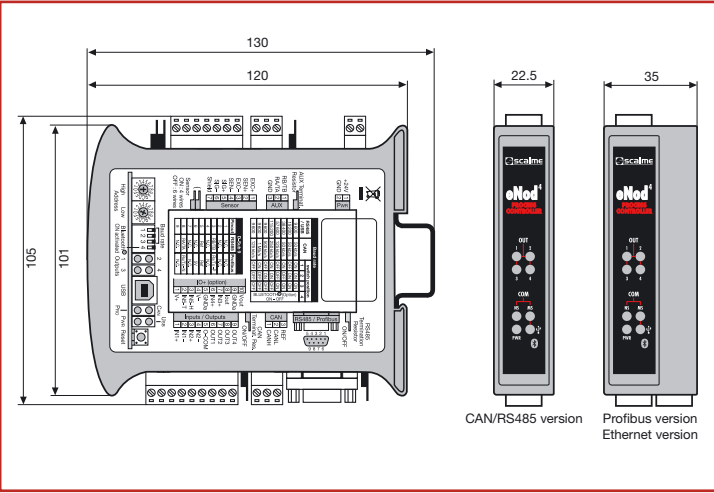
P/N	Designation	DC
Accessories:		
632121	ADJUSTABLE WALL MOUNT FOR IPC50/ IPE50XLR/ ENOD4 BOX	R4
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220VAC, 24VCC, 10W)	R4
Option:		
850285	TEST & MARKING ATEX/IECEx for eNod4-BOX - ②x II 3 G D, Ex ec nA nC IIC T4 Gc, Ex tc IIC T135°C Ds, 0°C <Ta < +40°C (zones 2/22)	R2
Related product:		
ENODVIEW SOFTWARE		

DC = Code pui back

ENOD4-B DIN

Continuous totalizing, Belt feeder

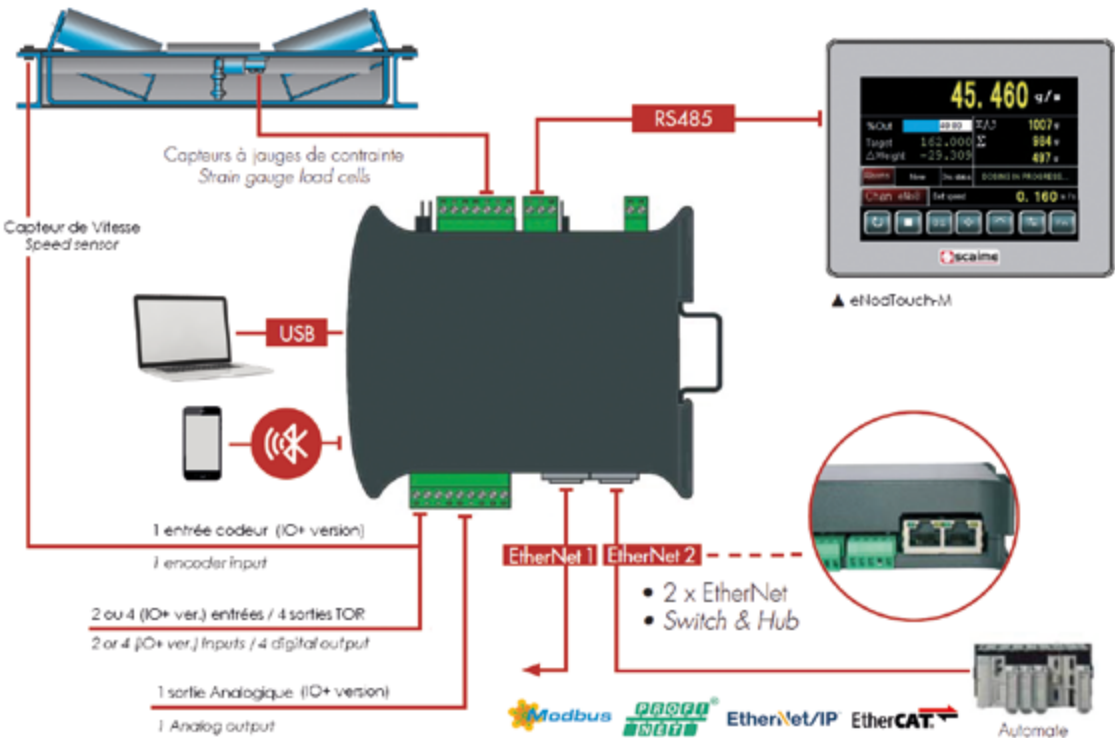
- Vertical housing for installation on DIN rail
- Up to 8 strain gage load cells (4/6 wires)
- Continuous flow rate and weight total calculation
- 1 input for belt speed sensor
- 2 digital inputs (4 with IO+ version) and 4 outputs
- Analog output 0-10 V or 4-20 mA (IO+ version)
- USB link for PC and RS485 link for HMI eNodTouch
- Optional Bluetooth communication



Power supply: 10 ... 28 VDC
Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: $\pm 500\,000$ pts
Internal resolution: 24 bits
Conversion rate: 400 meas./s.
Warranty: 1 year

Interfaces diagram

EtherNet Versions



CAN/RS485/PROFIBUS® versions available

Ordering references

Logiciel applicatif – Application software	
-T	Transmetteur - Transmitter
-C	Trieur étiqueteur - Checkweigher
-D	Dosage par batch – Batch dosing, Filling
-B	Doseur à bande, totalisateur continu – Belt feeder, Continuous totalizer
-F	Dosage à perte de poids – Loss-in-weight feeder

Présentation - Housing	
-DI	Version DIN, boîtier Rail DIN vertical – DIN version, DIN rail vertical housing
-BJ	Version BOX boîtier inox sans IHM – BOX version without HMI
-BS	Version BOX avec eNodTouch-MS – BOX version with eNodTouch-MS
-BL	Version BOX avec eNodTouch-ML – BOX version with eNodTouch-ML
-XJ	Version BOX ATEX/IECEx boîtier inox sans IHM – BOX ATEX/IECEx version without HMI ⁽³⁾
-XS	Version BOX ATEX/IECEx avec eNodTouch-MS – BOX ATEX/IECEx version with eNodTouch-MS ⁽³⁾
-XL	Version BOX ATEX/IECEx avec eNodTouch-ML – BOX ATEX/IECEx version with eNodTouch-ML ⁽³⁾

Alimentation et raccordement – Power supply and connection	
00	24VDC, sans carte de raccordement – without junction board
04	24VDC, carte raccordement 4 capteurs – 4 load cells junction board ⁽¹⁾
20	110-240VAC EU, sans carte de raccordement – without junction board ^{(1), (2)}

Options cartes E/S – Optional I/O board	
-0	Aucun - No
-A	Version IO+ : 0-10V/4-20mA, 2 E logiques, 1 E impulsions IO+ version: 0-10V/4-20mA output, 2 logical In, 1 pulse In

Communication sans-fil – Wireless communication	
00	Aucun - No
B0	Bluetooth

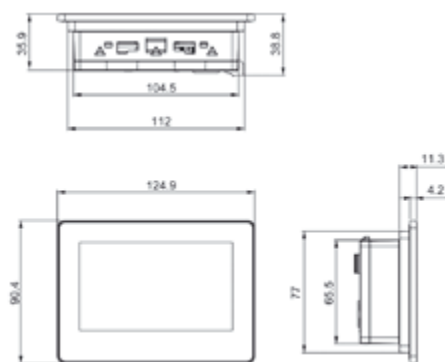
Connectivité API – PLC connectivity	
-SC	CANOpen / RS485 Modbus-RTU
-SP	Profibus-DP
-EM	Ethernet, Modbus-TCP
-EI	Ethernet, EtherNet/IP
-EP	Ethernet, Profinet
-EC	Ethernet, EtherCAT

- (1) Incompatible avec boîtier version DIN – Not compatible with DIN version
(2) Incompatible avec boîtier version BOX ATEX/IECEx – Not compatible with BOX ATEX/IECEx version
(3) Hors test et marquage ATEX/IECEx – Without test & marking ATEX/IECEx

eNod4	-B	-DI	00			
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P/N	Designation	DC
Accessory:		
640151	DRL10-24 RAIL DIN POWER SUPPLY (110/220VAC, 24VCC, 10W)	R4
Related product:		
	ENODVIEW SOFTWARE	

- Color touch screen for 1 to 6 eNod4-T, C, D, B or F
- Display of one selected eNod or all connected eNod
- Screen diagonal 4.3"
- Control and setup of eNod4 applications
- Configuration and weighing system calibration
- Operates simultaneously with the PLC link
- RS485 Modbus-RTU Connection



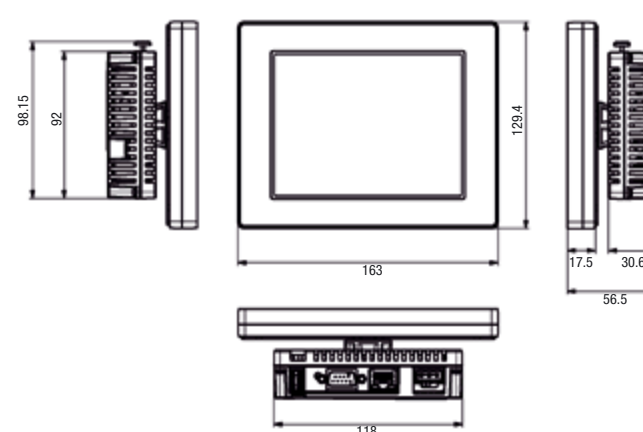
Dimensions de découpe - Cut-out dimensions : 112.5 x 77.5 mm - Avec adaptateur eNodTouch-S - With adapter : 105 x 66 mm
Épaisseur du panneau - Panel thickness: 1.5 ... 6 mm

Dimensions in mm

Power supply: 12 ... 24 VDC
Screen: Backlighting 4.3" LCD color
Resolution: 480 x 272 pixels (QVGA)
Touch panel: Resistive film

S: rated capacity / v min = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

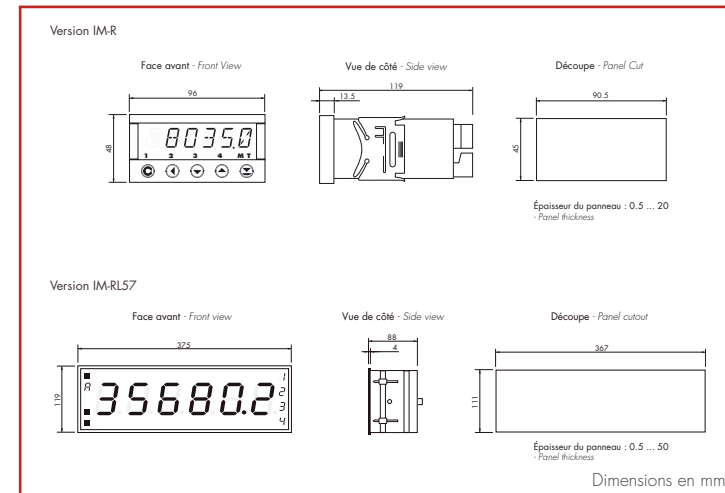
- Color touch screen for 1 to 6 eNod4-T, C, D, B or F
- Display of one selected eNod or all connected eNod
- Screen diagonal 5.7"
- Control and setup of eNod4 applications
- Configuration and weighing system calibration
- Operates simultaneously with the PLC link
- RS485 Modbus-RTU Connection



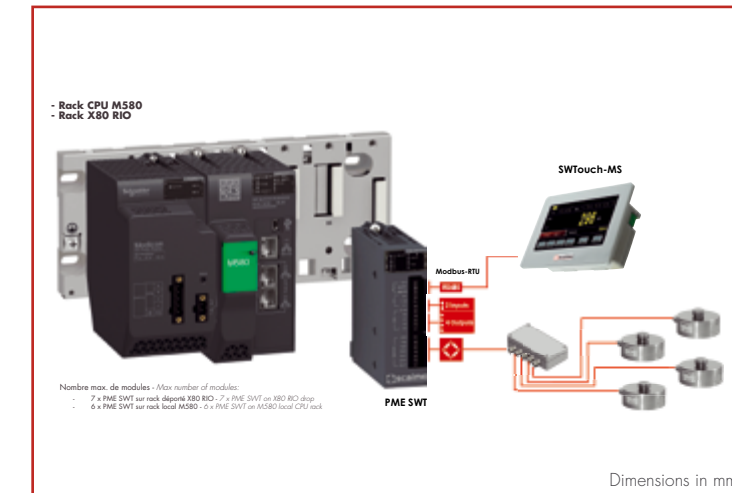
Dimensions in mm

Power supply: 24 VDC
Screen: Backlighted 5.7" LCD color
Resolution: 320 x 240 pixels (QVGA)
Touch panel: Resistive film

[illegible]



Communication : RS485 Modbus-RTU
Led Display : -99999...999999
Nominal temperature range : -20...+60 °C
Limit temperature range : -20...+85 °C

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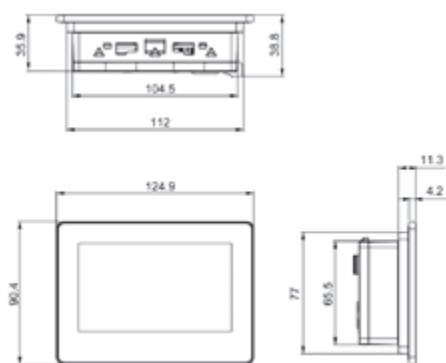
 

Admissible input signal: 0 ... 7.8 mV/V
Accuracy class: 0.005 %
Max. resolution: $\pm 500\,000$ pts
Internal resolution: 24 bits
Conversion rate: 6 ... 400 meas./s.
External rate: up to 100 meas./s.
Functions: transmitter, dosing, flow rate calculation

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- Single channel touch screen for weighing module PME SWT
- Screen diagonal 4.3"
- Display of measurement values and results
- Weighing functions: Zero, Tare
- Calibration of PME SWT
- RS485 Modbus-RTU Connection



Dimensions de découpe - *Cut-out dimensions* : 112.5 x 77.5 mm - Avec adaptateur SWTouch-S - *With adapter* : 105 x 66 mm
Épaisseur du panneau - *Panel thickness* : 1.5 ... 6 mm

Dimensions in mm

Power supply: 12 ... 24 VDC
Screen: Backlighting 4.3" LCD color
Resolution: 480 x 272 pixels (QVGA)
Touch panel: Resistive film

P/N	Designation	Cn	V _{min.}	DC
530233	4"3 COLOR HMI SWTOUCH-MS FOR PMESWT0100			R4
632157	Accessory: 3m RS485 CABLE FOR SWTOUCH-MS			R4

ES; rated capacity / v min = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back



Associated Electronics

Indicators...

- STANDARD version (STD), IP54 protected
- INDUSTRY Version (IND), IP68 protected
- Up to 8 load cells 350 Ω (4 or 6 wires)
- Powered by 4xAA batteries (STD)
or integrated rechargeable battery (IND)
- Backlight 25 mm LCD display, 5-Key waterproof keyboard



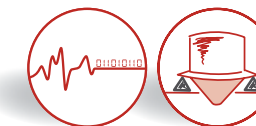
Approved up to 10 000 d according to EN 45501
 Displayed resolution: 10 000 d, 3x3 000 d,
 HR Up to 1 000 000 d
 Load cell input voltage: 5 VDC
 Admissible load cell signal: 0 ... +16 mV/V
 Min. voltage per division: 0.3 μ V
 Internal resolution: 24 bits
 Display: LCD 6 digits 25 mm backlighted
 Conversion rate: max. 200 meas./s.
 Warranty: 1 year



- Compact housing, panel mounting
- Up to 8 load cells 350 Ω (4 or 6 wires)
- 1 RS485 output and 1 RS232 output, Profibus-DP in option
- 2 relay outputs and 2 logical inputs, 4 additional relay outputs in option
- Alibi memory in option, analog output in option



Approved up to 10 000 d according to EN 45501
Power supply: 12 ... 24 VDC / 3.6 W
Load cell input voltage: 5 VDC / 120 mA
Admissible load cell signal: 0 ... +6 mV/V
Min. voltage per division: 0.3 μ V
Conversion rate: max. 200 conv./s.
Transmission rate: max. 15 meas./s.
Display: 6 digit LED, 18 mm height
Warranty: 1 year



FS: rated capacity / v min = minimal interval according to cert. OIML R60) / C.F. = Combined error in % of Cn / DC = Code nut back

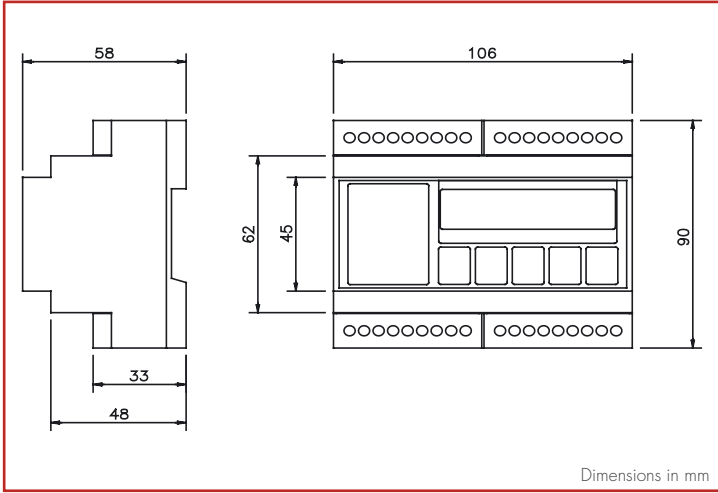
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 104

Weighing indicator - DIN rail mounting

IPE50 DIN

10 000 d / 2 x 3 000 d

- 4 independant channels
- Din rail mounting
- Up to 8 load cells 350 Ω (4 or 6 wires)
- 1 RS485 output and 1 RS232, Profibus-DP in option
- 2 relay outputs and 2 logical inputs
- 0-10 V, 0-20 mA and 4-20 mA analog output
- Alibi memory in option



Approved up to 10 000 d according to EN 45501
Power supply: 12 ... 24 VDC / 3.6 W
Load cell input voltage: 5 VDC / 120 mA (4 or 6 files)
Admissible load cell signal: 0 ... +6 mV/V
Min. voltage per division: 0.3 µV
Conversion rate: max. 200 conv./s.
Transmission rate: max. 15 meas./s.
Display: 6 digit LED, 13 mm height
Warranty: 1 year

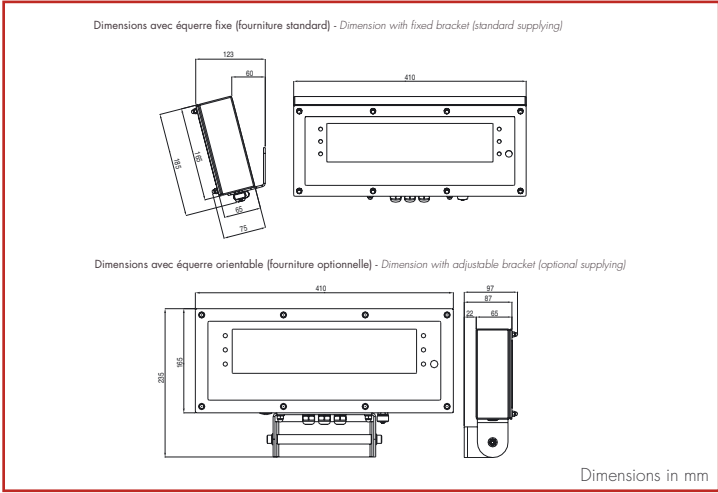


Weighing indicator - Giant Repeater / Indicator

IPE50 XLR/XLI

10 000 d / 2 x 3 000 d

- Large display with 60 mm digits, suitable for outdoor use, also in direct sunlight
- IP68 Stainless Steel housing
- Up to 8 load cells 350 Ω (4 or 6 wire)
- 1 RS485 output and 1 RS232 output
- 2 models: indicator (XLI) and repeater (XLR)
- Optional remote control



Approved 10 000 d according to EN 45501(XLI indicator)
Material: Stainless steel housing
Compatibility: IPE50 and IPC50 indicators
Accessories: wall brackets



P/N	Designation	Cn	V _{min.}	DC
632010	INDICATOR IPE 50 DIN 2S ANA			R4
632011	INDICATOR IPE 50 DIN 2S PROFIBUS			R4
	Options:			
632104	DSD+TIME/DATE OPTION FOR IPC/IPE			R4
	Accessories:			
632100	POWER SUPPLY FOR IPE 50 (220 VAC/12 VCC)			R4
640151	DSP10-24 RAIL DIN POWER SUPPLY (110/220 VAC, 24 VCC, 10 W)			R4
	Related products:			
	PRINTER TP200			
	INDICATOR/REPEATER IPE50 XLR			

FS: rated capacity / v min = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

P/N	Designation	Cn	V _{min.}	DC
	"Repeater" version			
632120	REPEATER IPE50 XLR (can be used as a remote display for IPC50, IPE50, IPE100)			R4
	"Indicator" version			
632122	INDICATOR IPE50 XLI 2S (can only be used as an indicator)			R4
	Options for XLI version:			
632104	DSD+TIME/DATE OPTION FOR IPC/IPE			R4
632062	ANALOG OUTPUT FOR IPC50/IPE50 XLI (0-10V or 4-20mA)			R4
	Accessories:			
632073	RF REMOTE CONTROL FOR IPE50 XLI			R4
632102	FIXED WALL MOUNT FOR IPC50/IPE50XLR			R4
632121	ADJUSTABLE WALL MOUNT FOR IPC50/IPE50XLR			R4
004000	PG9 METAL CABLE GLAND FOR IPE50 XLR/XLI (to be added to the gland already delivered with the IPE50)			R4

FS: rated capacity / v min = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of Cn / DC = Code put back

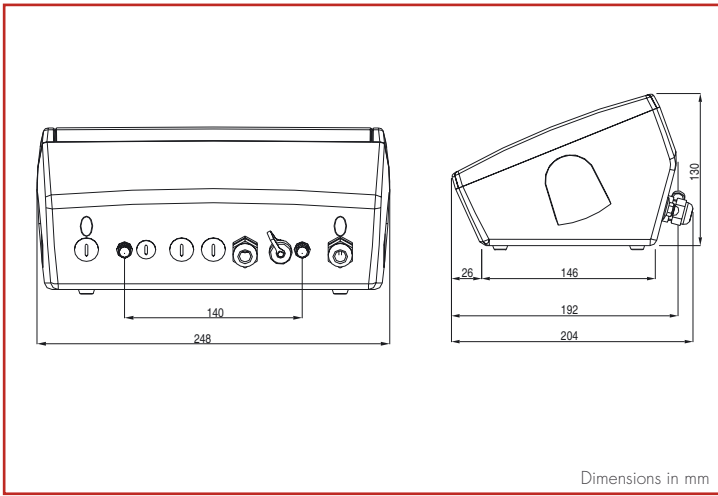
IPC50

10 000 d / 3 x 3 000 d

- ABS housing IP54, or stainless steel IP65
- Up to 8 load cells 350 Ω (4 or 6 wires)
- 2 RS232 output (1 RS485 in option)
- Integrated rechargeable battery
- Waterproof 17-keys functional keyboard
- Analog output (option)



Approved up to 10 000 d according to EN 45501
Power supply: 110-240 VAC
Load cell input voltage: 5 VDC
Admissible load cell signal: 0 ... +6 mV/V
Min. voltage per division: 0.3 μV
Internal resolution: 24 bits
Display: LCD 6 digits 25 mm backlit
Conversion rate: max. 100 meas./s.
Warranty: 1 year



P/N	Designation	Cn	V _{min.}	DC
632060	INDICATOR IPC 50 V2 PLBOX (plastic housing, embedded battery, external 220V power supply)			R4
Options common to both versions:				
632062	ANALOG OUTPUT FOR IPC50 (0-10V or 4-20mA)			R4
632104	DSD+TIME/DATE OPTION FOR IPC/IPE			R4
632109	RS485 OPTION BOARD FOR IPC 50			R4
Accessories:				
632102	FIXED WALL MOUNT FOR IPC50/IPE50XLR			R4
632121	ADJUSTABLE WALL MOUNT FOR IPC50/IPE50XLR			R4
Related products:				
	PRINTER TP200			
	INDICATOR/REPEATER IPE50 XLR			

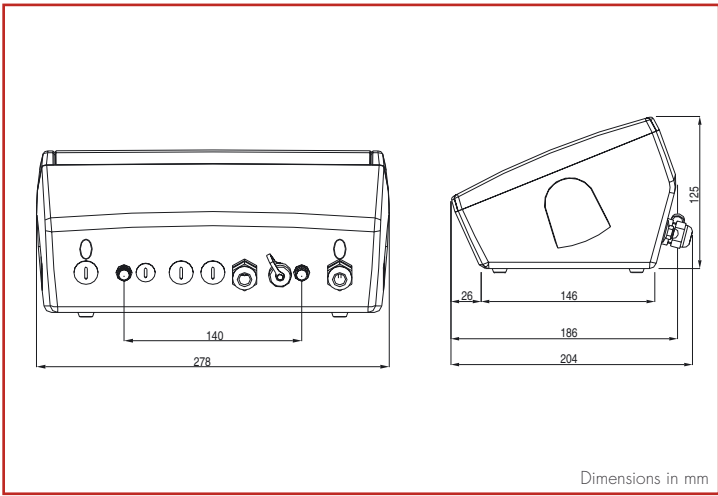
IPE100

10 000 d / 3 x 3 000 d

- Red led display with 6 digits 15 mm height
- IP54 ABS housing version, waterproof 25-keys functional keyboard
- Up to 16 analog load cells 350 Ω or 16 digital load cells (CB50X-DL or others)
- LCD graphical 25 x 100 mm display
- 2 RS232 outputs and 1 RS485/RS232 output
- Software for weighbridge monitoring, built-in alibi memory



Approved up to 10 000 d according to EN 45501
Power supply: 110-240 VAC
Analog load cell input voltage: 5 VDC
Digital load cell input voltage: integrated 12 VDC
Min. voltage per division: 0.3 μV
Internal resolution: 24 bits
Display: 6 digit LED, 15 mm height
+ LCD graphic 25 x 100 mm
Warranty: 1 year



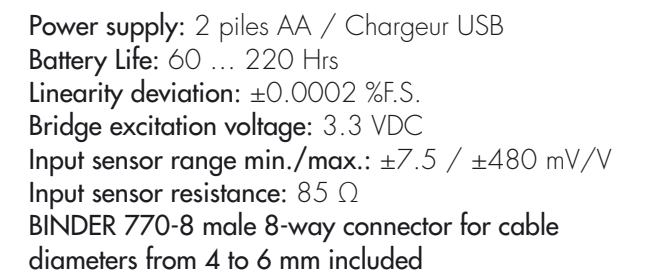
P/N	Designation	Cn	V _{min.}	DC
632065	DIGITAL & ANALOG INDICATOR IPE100 FOR WEIGHBRIDGES			R4
Related products:				
	PRINTER TP200			
	INDICATOR/REPEATER IPE50 XLR			

- 



TS: rated capacity / v min = minimal interval according to cert. OIML R60 / C.E. = Combined error in % of Cn / DC = Code put back

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C_n : Charge nominale / $v_{\min}$ = échelon minimal (selon cent. OIWL R60) / E.C. = Erreur Combinée en % de C_n / CR = Code Remise



Associated Electronics

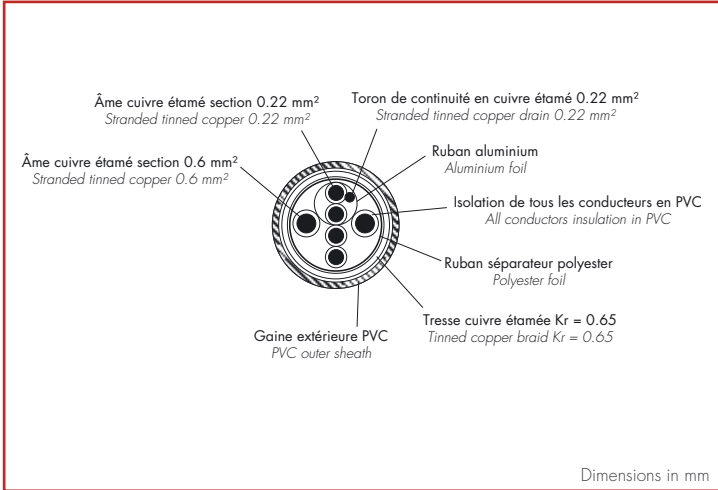
Accessories...



ANALOG CABLE

Analog load cells connection

- 6 shielded wires analog connectionBlack PVC outer sheath
- Outer jacket diameter 7.1 mm
- Complete insulation of measuring signal
- Shielded by aluminum foil and tinned copper braid
- Available in blue outer sheath for use in hazardous areas
- Anti-rodent stainless steel shielded version



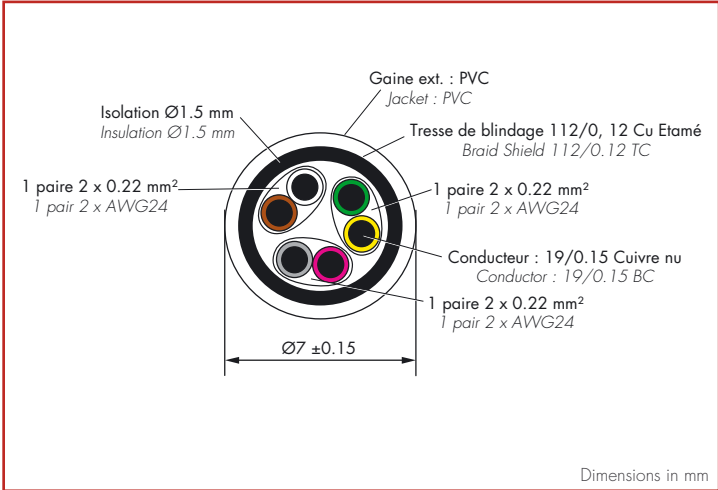
+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

P/N	Designation	Cn	V _{min.}	DC
825810	Standard cable for connection analog j-box to electronics			
	6 COND. SHIELDED CABLE Ø 7.1 MM (per metre, packaging to be confirmed)			R4
	Price per metre for length < 100 m			
	Price per metre for length >= 100 m et < 300 m			
825817	"AR" (Anti-Rodent) shielded cable for connection analog j-box to electronics			
	6 COND. DOUBLE SHIELDED CABLE Ø 7.1 MM (per metre, packaging to be confirmed)			R4
	Price per metre for length < 100 m			
	Price per metre for length >= 100 m et < 300 m			
825812	Blue cable for connection analog j-box to zener barriers in hazardous areas			
	6 COND. SHIELDED CABLE Ø 7.1 MM BLUE (per metre, packaging to be confirmed)			R4
	Price per metre for length < 100 m			
	Price per metre for length >= 100 m et < 300 m			

DIGITAL CABLE

Digital load cells connection

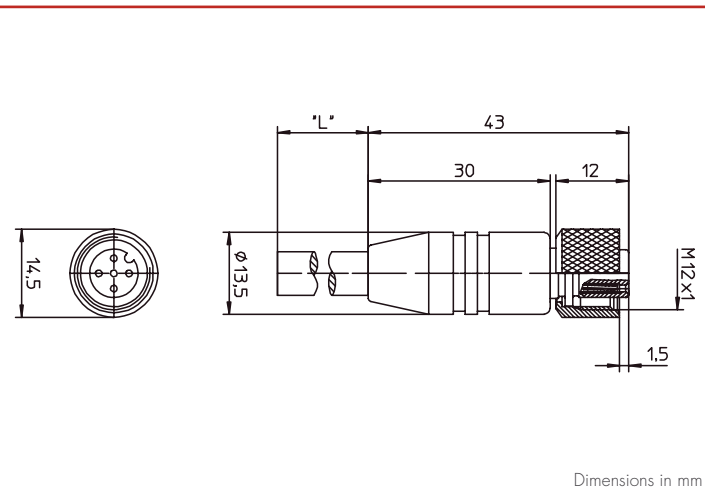
- 3 twisted pairs pecially designed for digital load cells wiring
- Braid Shield TC
- 3 twisted pairs 0.22 mm²
- Anti-rodent stainless steel shielded version



+ Excit.: Brown | + Sign.: White | - Sign.: Yellow | - Excit.: Green | + Sense: Grey | - Sense: Pink

P/N	Designation	Cn	V _{min.}	DC
005931	Standard cable for connection digital j-box to electronics			
	3 TWISTED PAIRS CABLE Ø 7.1 MM (per metre, packaging to be confirmed)			R4
	Price per metre for length < 100 m			
	Price per metre for length >= 100 m et < 300 m			

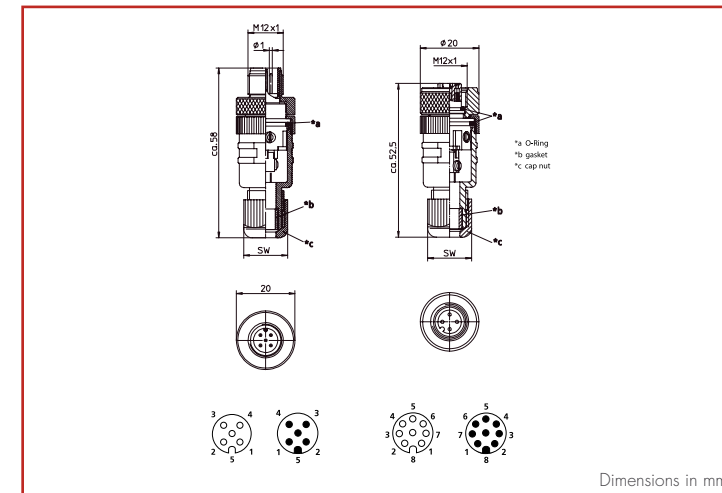
- Sensor cordset, single-ended, M12 5 or 8 pts female connector with threaded joint
- Molded cable, length 2, 5, 10, 20 m
- Shielding connected to knurled nut
- IP67 protection level
- Good resistance to oils and lubricants
- Suitable for use in drag chains



Dimensions in mm

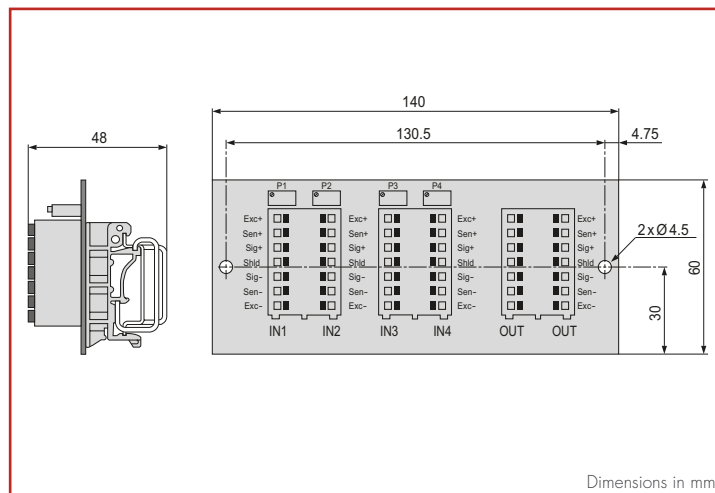
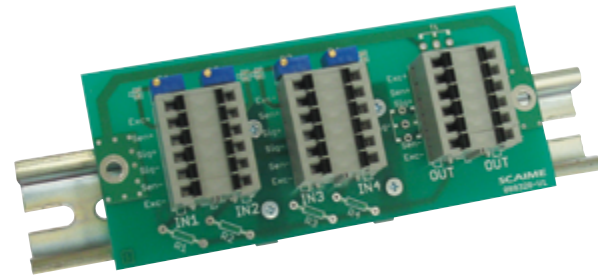
FS: rated capacity / v min = minimal interval | according to cert. OWL R60 / C.E. = Combined error in % of Cn / DC = Code put back

- Connector M12, 5 or 8 pins male and female connector with threaded joint
- IP67 protection level
- Wires connection via screw terminals block



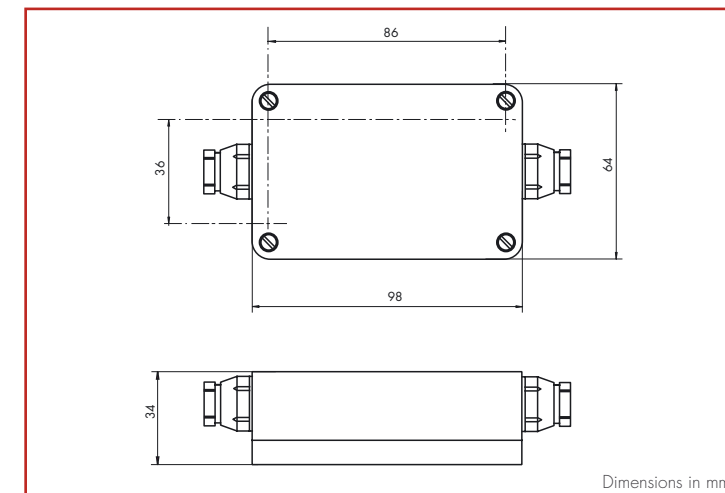
FS: rated capacity / v min = minimal interval | according to cert. OWL R60 / C.E. = Combined error in % of C₀ / DC = Code put back

- Junction board for 4/6 wires analog load cells
- 4 load cells connection
- Corner adjustment by potentiometers
- Connection by spring clamps
- DIN Rail supports included
- Stainless steel junction box version (see ALCJB-X4)



Corner balancing: Potentiometers 10 Ω
Compensated temperature range: -40 ... +60°C
Load cell terminal: 4 inputs, 1 output
Wire cross section of cable strands: 0.14 mm² at 1 mm²
Warranty: 1 year

- Junction box for 4/6 wire analog load cell
- Painted aluminum box, IP65 protection
- Connection by spring clamps



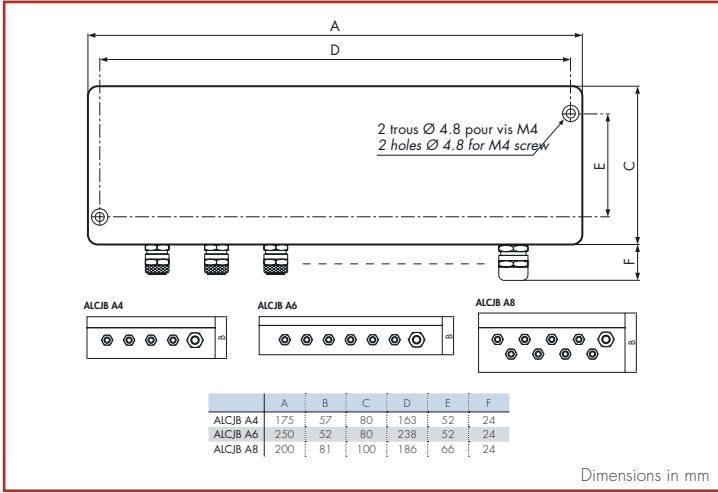
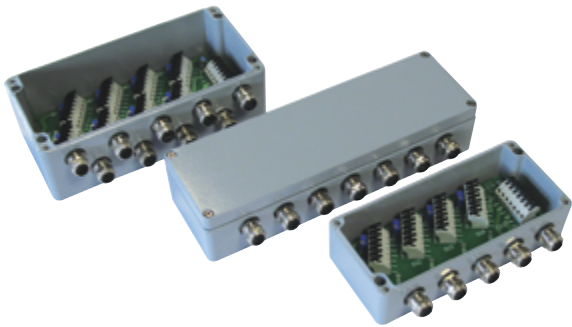
Protection level: IP65
Compensated temperature range: -40 ... +60°C
Cable gland number: 1 input, 1 output
Cable gland type: ducanized brass Ø 4 ... 8 mm
Warranty: 1 year

[illegible][illegible]

ALCJB-A

4, 6, 8 analog sensors

- Junction box for 4/6 wire analog load cells
- Painted aluminum box, IP65 protection
- Versions for 4, 6, 8 load cells wiring
- Corner balancing by potentiometers
- Tool free connection by spring clamps
- Over-voltage protection in option



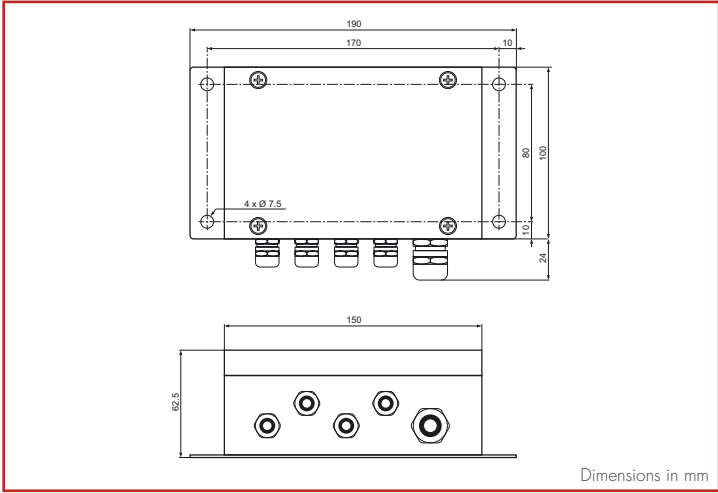
Protection level: IP65
Compensated temperature range: -40 ... +60°C
Cable gland number: 4, 6 or 8 input, 1 output
Cable gland type: nickel-plated brass
in: Ø 4 ... 8 mm
out: Ø 5 (ATEX: 6) ... 10 mm
Corner balancing: potentiometer 10 Ω or resistance
Warranty: 1 year

P/N	Designation	Cn	V _{min.}	DC
NON ATEX COMPATIBLE versions				
803040	JUNCTION BOX ALCJB-A4			R4
803042	JUNCTION BOX ALCJB-A6			R4
803043	JUNCTION BOX ALCJB-A8			R4
Overvoltage protection version NON ATEX COMPATIBLE				
803044	JUNCTION BOX ALCJB-A8 GDT			R4
ATEX COMPATIBLE versions				
803050	JUNCTION BOX ALCJB-A4 (test/markings to be added)			R4
803052	JUNCTION BOX ALCJB-A6 (test/markings to be added)			R4
803053	JUNCTION BOX ALCJB-A8 (test/markings to be added)			R4
Options:				
850262	"IS" TEST ALCJB ATEX/IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -40°C < Ta < +40°C (zones gaz 0/1/2, dust 20/21/22)			R2
850275	TEST "mode n" ALCJB ATEX/IECEx - II 3 G, Ex nA IIC T6 Gc, -40°C < Ta < +40°C (zone 2)			R2
850277	MARKING "DUST" ALCJB ATEX/IECEx - II 2 D, Ex Ib IIIC T80°C Db, IP6X, -40°C < Ta < +40°C (zones dust 21/22)			R2

ALCJB-X4

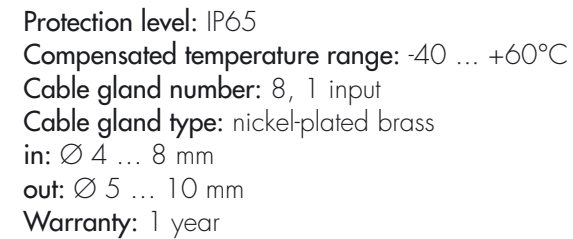
4 analog sensors inputs

- Junction box for 4/6 wire analog load cells
- Stainless steel box, IP65 protection
- 4 load cells connection
- Corner adjustment by potentiometers
- Connection by spring clamps
- Board version with DIN Rail supports (see ALCJB-D4)



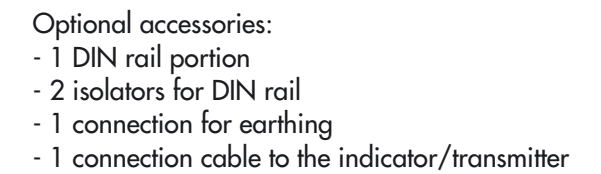
Protection level: IP65
Compensated temperature range: -40 ... +60°C
Cable gland number: 4 input, 1 output
Cable gland type: nickel-plated brass
in: Ø 2.5 (ATEX: 4) ... 7 mm
out: Ø 6 (ATEX: 7) ... 11.5 mm
Warranty: 1 year

P/N	Designation	Cn	V _{min.}	DC
Stainless steel version NON ATEX COMPATIBLE				
803041	JUNCTION BOX ALCJB-X4			R4
Stainless steel version ATEX COMPATIBLE				
803854	JUNCTION BOX ALCJB-X4 (test/markings to be added)			R4
Options:				
850262	"IS" TEST ALCJB ATEX/IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -40°C < Ta < +40°C (zones gaz 0/1/2, dust 20/21/22)			R2
850275	TEST "mode n" ALCJB ATEX/IECEx - II 3 G, Ex nA IIC T6 Gc, -40°C < Ta < +40°C (zone 2)			R2
850277	MARKING "DUST" ALCJB ATEX/IECEx - II 2 D, Ex Ib IIIC T80°C Db, IP6X, -40°C < Ta < +40°C (zones dust 21/22)			R2



Dimensions in mm

FS: rated capacity / v min = minimal interval (according to cert); OIML R60 / C.E. = Combined error in % of Cn / DC = Code put back



FFS: rated capacity / v min = minimal interval | according to cert. OLWt R60 / C.E. = Combined error in % of Cn / DC = Code put back



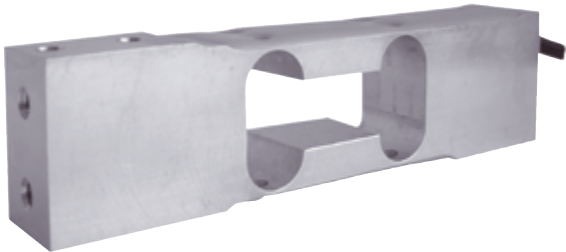
After Sales load cells

Load cell - Single point

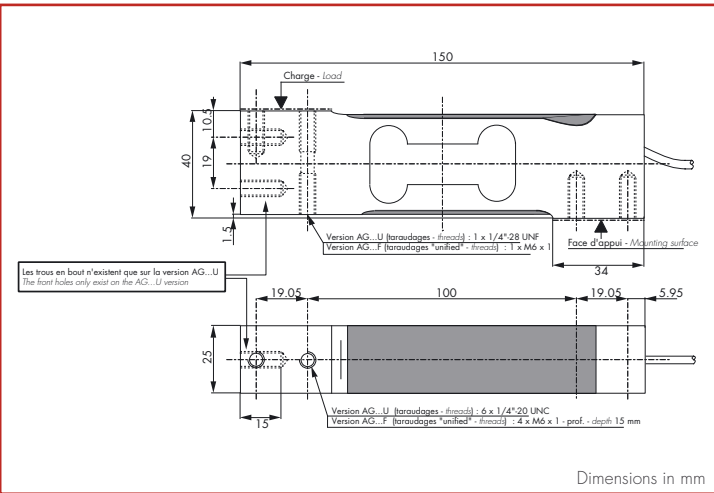
AG C3 U

5 kg ... 100 kg

- FOR SPARE PART ONLY



Signal at FS: 2 mV/V ±10 %
Combined error: ±0.017 %FS
Impedance (in/out): 410 Ω ±15 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Platform size: up to 400 x 400 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 1 year



+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

Replaces: TH 1040/1042, HBM SP4, RT642, Celltron LOC, CAS BCA

P/N	Designation	Cn	V _{min.}	DC
400748	LOAD CELL AG2.5 C2 NH 3e U 3m	2.5 kg	1 g	R1
Approved versions OIML C3, Y = 5 000				
400711	LOAD CELL AG5 C3 SH 5e U	5 kg	1 g	R1
400721	LOAD CELL AG10 C3 SH 5e U	10 kg	2 g	R1
400651	LOAD CELL AG15 C3 SH 5e U	15 kg	3 g	R1
400731	LOAD CELL AG20 C3 SH 5e U	20 kg	4 g	R1
400661	LOAD CELL AG30 C3 SH 5e U	30 kg	6 g	R1
400671	LOAD CELL AG50 C3 SH 5e U	50 kg	10 g	R1
400681	LOAD CELL AG75 C3 SH 5e U (end of stock)	75 kg	15 g	R1
400691	LOAD CELL AG100 C3 SH 5e U (end of stock)	100 kg	20 g	R1
Options:				
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850203	OPTIONAL PROTECTIVE COATING			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
850278	MARKING "FM" FOR LOAD CELLS CERTIFIED TO FM HAZLOC I.S., CL I, II, III / DIV 1 / GP ABCDEFG; N.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIFW			R2

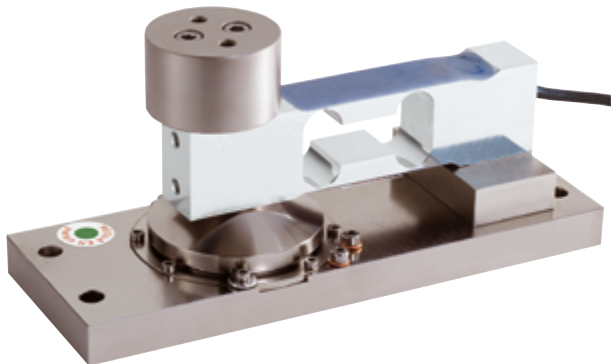
FS: rated capacity / V_{min} = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of C_N / DC = Code put back

Mounting Kit - Damped single point

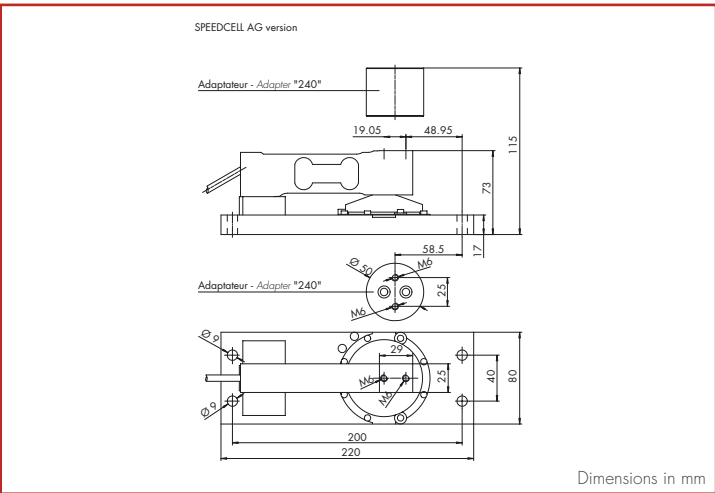
SPEEDCELL AG/AL

5 kg ... 50 kg

- FOR SPARE PART ONLY



Signal at FS: 2 mV/V ±10 %
Combined error: ±0.017 %FS
Impedance (in/out): 410 Ω ±20 / 350 Ω ±5
Compensated temperature range: -10 ... +40°C
Platform size: up to 400 x 400 mm
Cable/length: 6 wires / 3 m
Warranty: 1 year

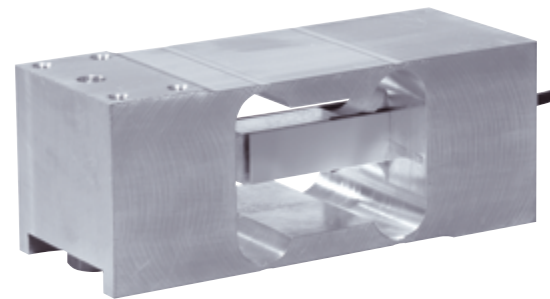
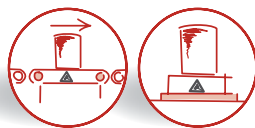


+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

Replace: TH 240 (with "240" adapter)

P/N	Designation	Cn	V _{min.}	DC
803759	CAPTEUR AG5 C3 SH 5e SPCL	5 kg	1 g	R2
803760	CAPTEUR AG10 C3 SH 10e SPCL	10 kg	1 g	R2
803761	CAPTEUR AG15 C3 SH 10e SPCL	15 kg	1.5 g	R2
803762	CAPTEUR AG20 C3 SH 10e SPCL	20 kg	2 g	R2
803763	CAPTEUR AG30 C3 SH 10e SPCL	30 kg	3 g	R2
803776	CAPTEUR AG50 C3 SH 10e SPCL	50 kg	5 g	R2
Option:				
850278	MARKING "FM" FOR LOAD CELLS CERTIFIED TO FM HAZLOC I.S., CL I, II, III / DIV 1 / GP ABCDEFG; N.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIFW			R2
SPEEDCELL Versions with AL loadcell				
803752	AL3 C3 SH 10e SPCL	3 kg	0.3 g	R2
803753	AL5 C3 SH 10e SPCL	5 kg	0.5 g	R2
803755	AL10 C3 SH 10e SPCL	10 kg	1 g	R2
803756	AL15 C3 SH 10e SPCL	15 kg	1.5 g	R2
803758	AL30 C3 SH 10e SPCL	30 kg	3 g	R2

FS: rated capacity / V_{min} = minimal interval (according to cert. OIML R60) / C.E. = Combined error in % of C_N / DC = Code put back

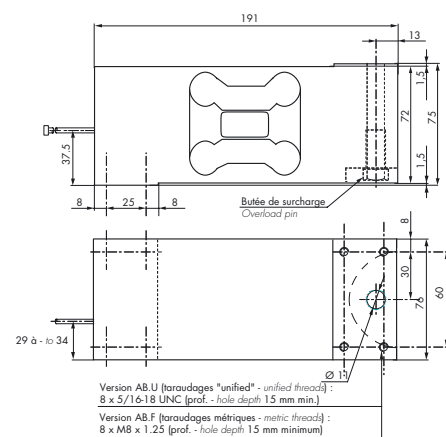


- FOR SPARE PART ONLY



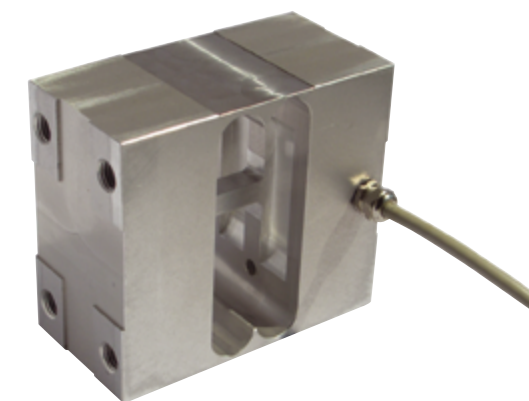
Signal at FS: 2 mV/V $\pm$ 10 %
 Combined error: $\pm$ 0.017 %FS
 Impedance (in/out): 410 Ω $\pm$ 20 / 350 Ω $\pm$ 5
 Compensated temperature range: -10 ... +40 $^{\circ}$ C
 Platform size: 800 x 800 mm
 Cable/length: 6 shielded wires / 3 m
 Warranty: 1 year

Replaces: T-H 1250, HBM PW12/PW12B, RT 652, Celtron LOC, CAS BCM, Sensortronics 60060

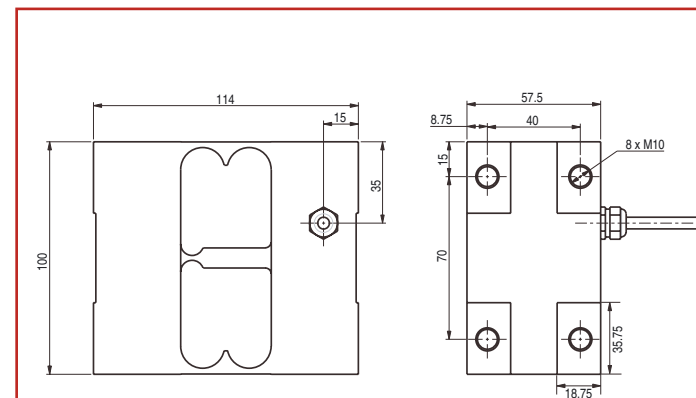


Dimensions in mm

+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

[illegible]

- FOR SPARE PART ONLY



Dimensions in mm

+ Excit.: Red | + Sign.: Green | - Sign.: White | - Excit.: Blue | + Sense: Pink | - Sense: Grey

Signal at FS: 1.2 mV/V $\pm 10\%$
 Combined error: $\pm 0.033\%$ FS
 Impedance (in/out): $410\ \Omega \pm 20$ / $350\ \Omega \pm 5$
 Compensated temperature range: $-10 \dots +40^\circ\text{C}$
 Platform size: 600 x 600 mm
 Cable/length: 4 shielded wires / 3 m
 Warranty: 1 year

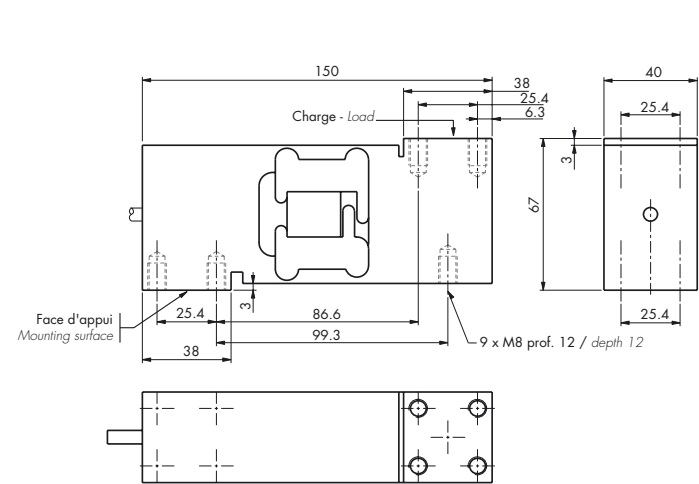
[illegible]

Load cell - Single point

AK 300

120 kg ... 300 kg

- FOR SPARE PART ONLY



Signal at FS: 2 mV/V $\pm$ 10 %
Combined error: $\pm$ 0.017 %FS
Impedance (in/out): 385 Ω $\pm$ 20 / 350 Ω $\pm$ 5
Compensated temperature range: -10 ... +40°C
Platform size: up to 600 x 600 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 3 years

+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

Replace: TH 1510 (+ 6 mm spacer)

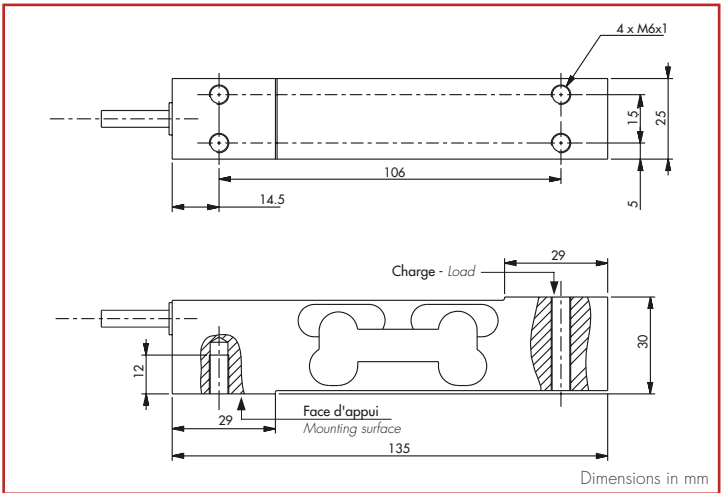
P/N	Designation	Cn	V _{min.}	DC
Approved versions OIML C3, Y = 10 000				
403023	LOAD CELL AK120 C3 CH 12e	120 kg	10 g	R1
403028	LOAD CELL AK300 C3 CH 12e	300 kg	25 g	R1
Options:				
850397	OPTIONAL HIGH CORROSION RESISTANCE PAINTING			R1
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex Ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2

Load cell - Single point

AXL

15 kg

- FOR SPARE PART ONLY



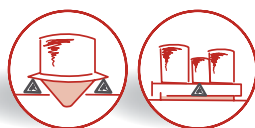
Signal at FS: 2 mV/V $\pm$ 10 %
Combined error: $\pm$ 0.017 %FS
Impedance (in/out): 385 Ω $\pm$ 20 / 350 Ω $\pm$ 5
Compensated temperature range: -10 ... +40°C
Platform size: 400 x 400 mm
Cable/length: 6 shielded wires / 3 m
Warranty: 3 years

+ Excit.: Brown | + Sign.: Yellow | - Sign.: White | - Excit.: Green | + Sense: Grey | - Sense: Pink

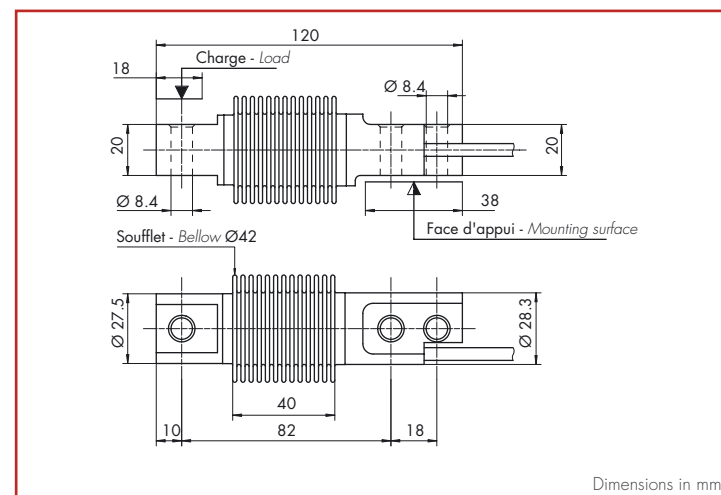
P/N	Designation	Cn	V _{min.}	DC
4403031	LOAD CELL AXL15 C3 SH 15e	15 kg	1 g	R1
Options:				
850397	OPTIONAL HIGH CORROSION RESISTANCE PAINTING			R1
850322	SIGNAL PAIRING BY 0.5 % FOR SINGLE POINT LOAD CELLS (subject to stock availability of standard products)			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - II 1 D, Ex Ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2

F30X

10 kg ... 200 kg



- 



Replace: SCAIME F60X C3 5e

+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White

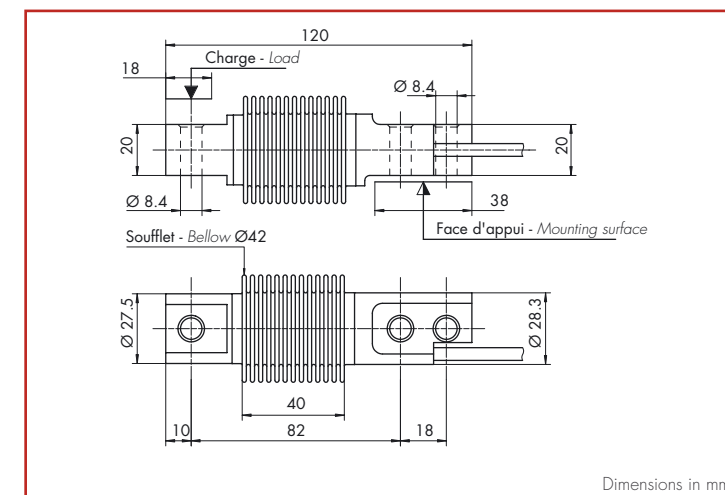
[illegible]

F60X C3

5 kg ... 500 kg



- 



Replaces: HBM Z6, T-H 355, RT SHB, SCAIME F30X/F60T, Télémécanique SM3PX, MT MTB, PRECIA FA3000i, Master K FLX, Flintec SB8

+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White

P/N	Designation	Cn	v _{min}	DC
	Approved versions OIML C3, Y = 10 000			
402452	LOAD CELL F60X10 C3 CH 10e TR (4-wire)	10 kg	1 g	R1
402462	LOAD CELL F60X20 C3 CH 10e TR (4-wire)	20 kg	2 g	R1
402472	LOAD CELL F60X50 C3 CH 10e TR (4-wire)	50 kg	5 g	R1
402482	LOAD CELL F60X100 C3 CH 10e TR (4-wire)	100 kg	10 g	R1
402492	LOAD CELL F60X200 C3 CH 10e TR (4-wire)	200 kg	20 g	R1
402514	LOAD CELL F60X300 C3 CH 10e TR (4-wire)	300 kg	30 g	R1
402515	LOAD CELL F60X500 C3 CH 10e TR (4-wire)	500 kg	50 g	R1
	Options:			
850320	Optional 2mV/V ± 0.06 % signal alignment for F60X			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex ia IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
850278	MARKING "FM" FOR LOAD CELLS CERTIFIED TO FM HAZLOC I.S., CL I, II, III / DIV 1 / GP ABCDEFG; I.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIFW			R2
	Related products:			
	MTPFA			
	LOAD FOOT LFC 500 & LFD 500			
	RUBBERKIT FX			
	STABIFLEX F & FX			

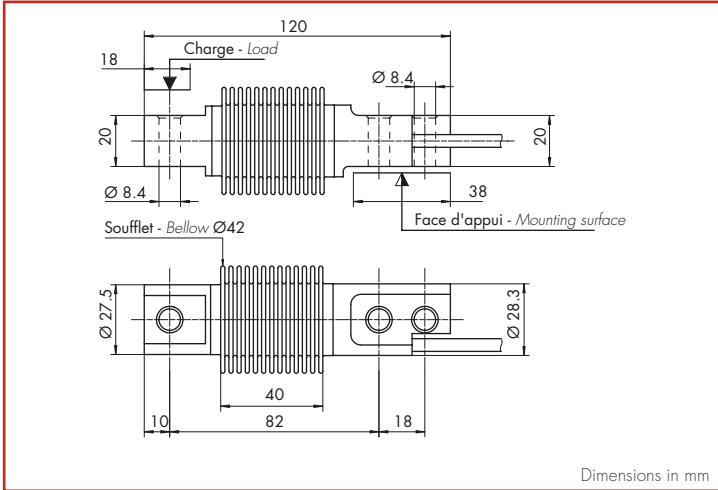
Load cell - Bending beam

F60X C6

10 kg ... 500 kg



- FOR SPARE PART ONLY



+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White



Signal at FS: 2 mV/V $\pm$ 0.1 %
Combined error: $\pm$ 0.008 %FS
Impedance (in/out): 385 Ω $\pm$ 20 / 350 Ω $\pm$ 5
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max.: 200 %)
Cable/length: 4 shielded wires / 3 m
Warranty: 3 years

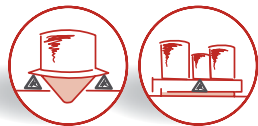
Replaces: HBM Z6, TH 355, RT SHB, SCAIME F30X/F60T, Télémécanique SM3PX, MT MTB, PRECIA FA3000i, Master K FLX, Flintec SB8

P/N	Designation	Cn	V _{min.}	DC
Approved versions OIML C6, Y = 10 000				
402450	LOAD CELL F60X10 C6 CH 10e TR (4-wire)	10 kg	1 g	R1
402460	LOAD CELL F60X20 C6 CH 10e TR (4-wire)	20 kg	2 g	R1
402470	LOAD CELL F60X50 C6 CH 10e TR (4-wire)	50 kg	5 g	R1
402480	LOAD CELL F60X100 C6 CH 10e TR (4-wire)	100 kg	10 g	R1
402490	LOAD CELL F60X200 C6 CH 10e TR (4-wire)	200 kg	20 g	R1
402526	LOAD CELL F60X300 C6 CH 10e TR (4-wire)	300 kg	30 g	R1
402527	LOAD CELL F60X500 C6 CH 10e TR (4-wire)	500 kg	50 g	R1
Options:				
850320	Optional 2mV/V $\pm$ 0.06 % signal alignment for F60X			R1
850272	"SI" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)			R2
850273	"n" TEST FOR LOAD CELLS ATEX & IECEx - Ⓔ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)			R2
850274	"DUST" MARKING FOR LOAD CELL ATEX & IECEx - Ⓔ II 1 D, Ex ia IIC T125°C Da, IP6X, -20°C < Ta < +60°C (zones 20)			R2
850278	MARKING "FM" FOR LOAD CELLS CERTIFIED TO FM HAZLOC I.S., CL I, II, III / DIV 1 / GP ABCDEFG; N.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIFW			R2
Related products:				
	MTPFA			
	LOAD FOOT IFC 500 & IFD 500			
	RUBBERKIT FX			
	STABIFLEX F & FX			

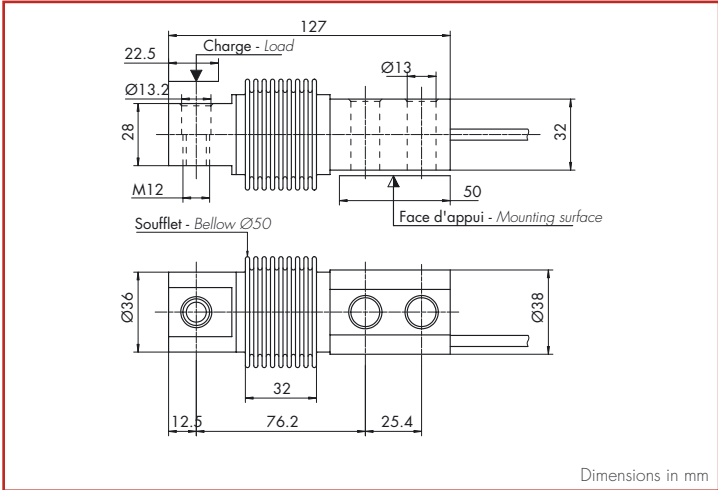
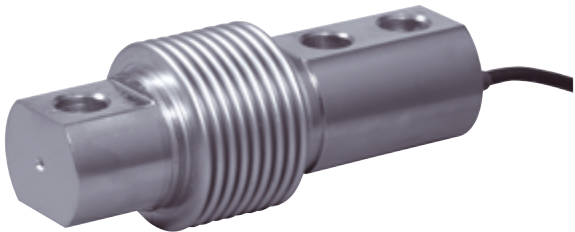
Load cell - Bending beam

F60X 2T

0.5 t ... 2 t



- FOR SPARE PART ONLY



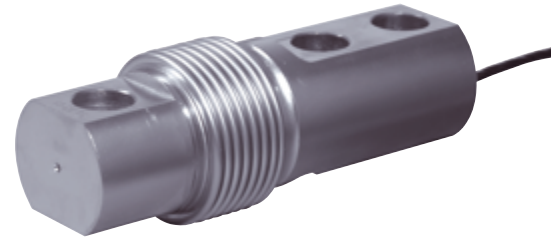
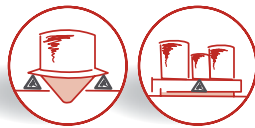
+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White



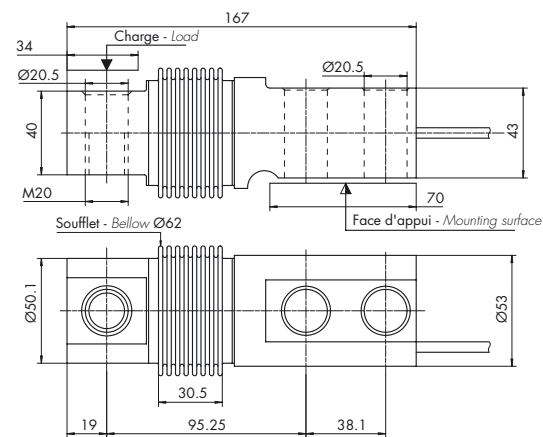
Signal at FS: 2 mV/V $\pm$ 0.1 %
Combined error: $\pm$ 0.017 %FS
Impedance (in/out): 385 Ω $\pm$ 20 / 350 Ω $\pm$ 5
Compensated temperature range: -10 ... +40°C
Overload limit: 150 %E_{max} (max.: 200 %)
Cable/length: 4 shielded wires / 5 m
Warranty: 3 years

Replaces: Télémécanique SM3PX, Master K FFX

P/N	Designation	Cn	V _{min.}	DC
Approved versions OIML C3, Y = 10 000				
402516	LOAD CELL F60X0.5t C3 CH 10e	500 kg	50 g	R2
402517	LOAD CELL F60X1t C3 CH 10e	1 000 kg	100 g	R2
402518	LOAD CELL F60X2t C3 CH 10e	2 000 kg	200 g	R2
Accessories:				
803863	STABIFLEX-F 2t EVO (compression kit with ball/cups for F60X 0.5...2t, zinc plated)			R2
803864	STABIFLEX-F 2t X EVO (compression kit with ball/cups for F60X 0.5...2t, stainless steel)			R2
803874	STABIFLEX-F 2t EVO + 1 STABILIZER (with stabilizer mounted in factory)			R2
803875	STABIFLEX-F 2t X EVO + 1 STABILIZER (with stabilizer mounted in factory)			R2
803859	STAINLESS STEEL STABILIZER FOR STABIFLEX 2t EVO			R2
Options:				
850278	MARKING "FM" FOR LOAD CELLS CERTIFIED TO FM HAZLOC I.S., CL I, II, III / DIV 1 / GP ABCDEFG; N.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIFW			R2
SP/OL	ATEX TEST OR MARKING FOR AFTERSALES LOAD CELLS			



- 



+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White

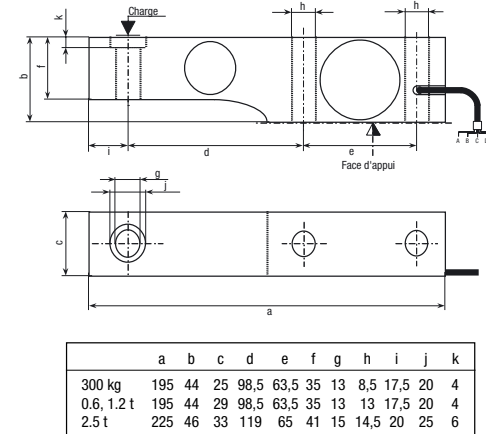


Signal at FS: 2 mV/V $\pm 10\%$
 Combined error: $\pm 0.017\%$ FS
 Impedance (in/out): $385\ \Omega \pm 20$ / $350\ \Omega \pm 5$
 Compensated temperature range: $-10 \dots +40^\circ\text{C}$
 Overload limit: 150 %E_{max} (max.: 200 %)
 Cable/length: 4 shielded wires / 5 m
 Warranty: 3 years

FS: rated capacity / v min = minimal interval (according to cert); OIML R60 / C.E. = Combined error in % of Cn / DC = Code put back



- 



+ Excit.: Red | + Sign.: Black | - Sign.: Blue | - Excit.: White



Replace: Précia CIA3000 (shorter screws)



- 



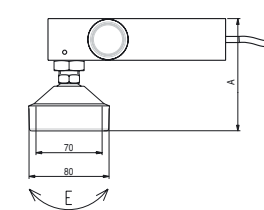
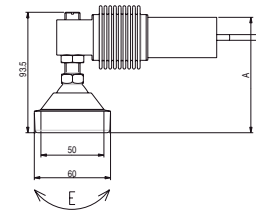
Dimensions in mm

Replace: Flintec BK2

[illegible]

-

LFC 5 †



Type	IFC 2 I			IFC 5 I	
Capacité nominale - Rated capacity	SK30X 0.3 ... 2 I	SB30X 0.5 ... 2 I	F60X 0.5 ... 2 I	SK30X 5 I	F60X 5 I
A	83.5 ... 93.5 mm	71.5 ... 93.5 mm	85.5 ... 95.5 mm	105 ... 115 mm	106 ... 116 mm
E	±10°	±10°	±10°	±10°	±10°
Couple de serrage - Tightening Torque	40 Nm	10 Nm	40 Nm	100 Nm	100 Nm
Durété élastomère - Rubber hardness	75 ±5 Shore A	75 ±5 Shore A	75 ±5 Shore A	75 ±5 Shore A	75 ±5 Shore A

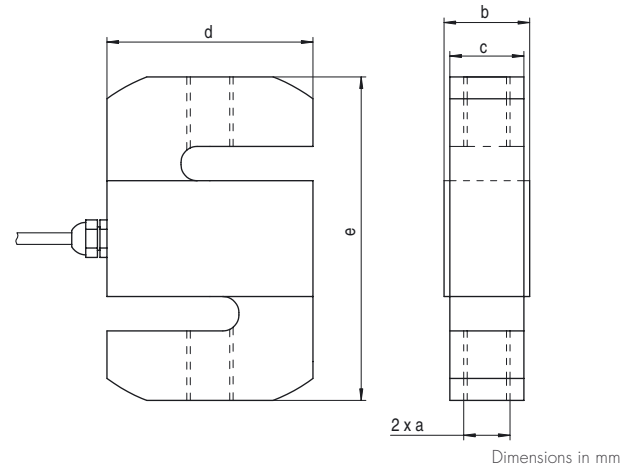
Dimensions in mm

Construction: nickel plated steel with elastomer pad
Rubber hardness: 75 ±5 Shore A
Warranty: 1 year
For load cell: F60X, SK30X, SK30A and SB30X

[illegible]



-



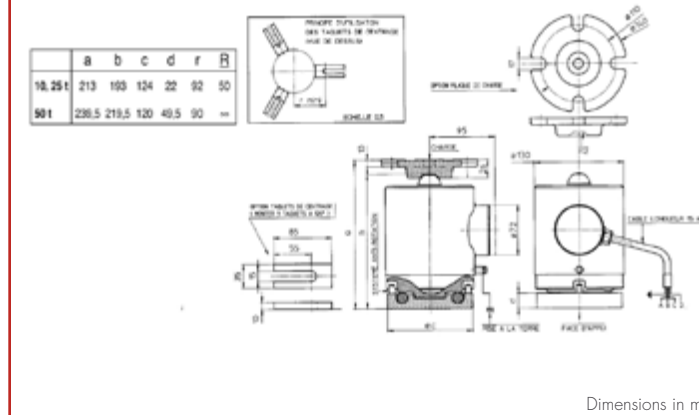
see data sheet in our website

Replaces: Sensortronics 60050, RT 9363, HBM RSCB, CAS SBA SS

FS: rated capacity / $v_{\min}$ = minimal interval according to cert QIM R601 / C.F. = Combined error in % of C₀/DC = Code nut back



-
- A stainless steel industrial electric cylinder, model C50A 25t NX, manufactured by SCAIME. The device is cylindrical with a polished metal finish. It features a circular label on the side with the SCAIME logo, the text "Ref. 421371", the model number "C50A 25t NX", and the serial number "S. No 012366". A black cable is connected to the side of the cylinder. The top has a small, rounded protrusion, and the bottom has a small latch or connector.



+ Excit.: Red | + Sign.: White | - Sign.: Yellow | - Excit.: Blue

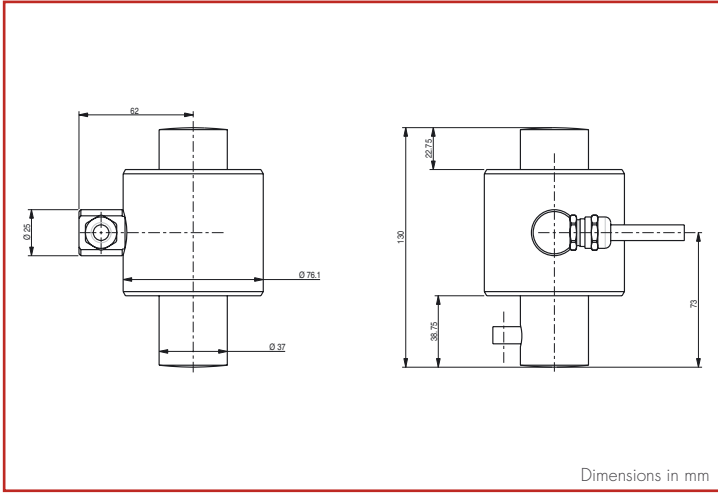
Replaces: Testut-Trayvou C50A et C50B, Marter-K CP50

[†]S: rated capacity / v min = minimal interval [according to cert. OIML R60] / C.E. = Combined error in % of Cn / DC = Code put back

CA40X 60T

5 t ... 60 t

- FOR SPARE PART ONLY



Signal at FS: 2 mV/V
Combined error: $\pm 0.017\%$ FS
Impedance (in/out): $815\ \Omega \pm 20 / 700\ \Omega \pm 5$
Compensated temperature range: $-10 \dots +40^{\circ}\text{C}$
Overload limit: 150 %E_{max} (max.: 200 %)
Cable/length: 4 shielded wires / 15 m
Warranty: 3 years

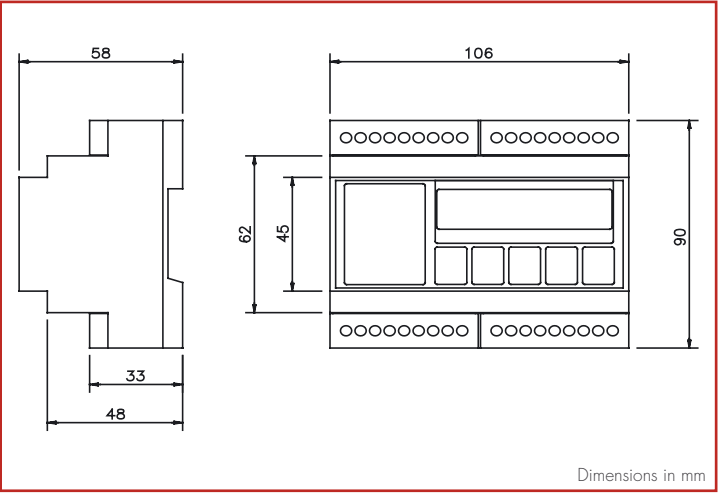
Replaces: HBM C16, GWT PR6201 (lower profile: 300 mm)

P/N	Designation	Cn	V _{min.}	DC
Approved versions OIML C3, Y = 10 000				
SOLD OUT	LOAD CELL CA40X5t C3 CH 10e	5 t	500 g	R2
SOLD OUT	LOAD CELL CA40X10t C3 CH 10e	10 t	1 kg	R2
421463	LOAD CELL CA40X20t C3 CH 10e	20 t	2 kg	R2
421473	LOAD CELL CA40X40t C3 CH 10e	40 t	4 kg	R2
421478	LOAD CELL CA40X60t C3 CH 10e	60 t	6 kg	R2
Options:				
SP/OL	ATEX TEST OR MARKING FOR AFTERSALES LOAD CELLS: Consult us			
Accessories:				
803790	STEEL PLATES KIT FOR CA40X 5-60t (includes 2 plates and 3 excentric clamps)			R2
803780	STAINLESS STEEL PLATES KIT FOR CA40X 5-60t (to be used in STABICAN assembly)			R2

IPE50 DIN PROFIBUS

10 000 d / 2 x 3 000 d

- FOR SPARE PART ONLY



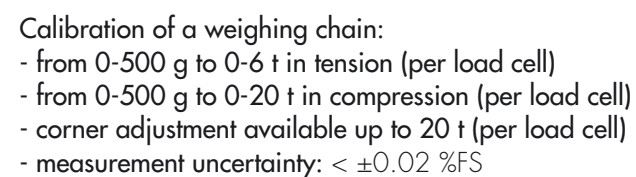
Approved up to 10 000 d according to EN 45501
Power supply: 12 ... 24 VDC / 3.6 W
Load cell input voltage: 5 VDC / 120 mA (4 or 6 files)
Admissible load cell signal: 0 ... +6 mV/V
Min. voltage per division: 0.3 μV
Conversion rate: max. 200 conv./s.
Transmission rate: max. 15 meas./s.
Display: 6 digit LED, 13 mm height
Warranty: 1 year

P/N	Designation	Cn	V _{min.}	DC
632011	INDICATOR IPE 50 DIN 2S PROFIBUS			R4
Options:				
632104	DSD+TIME/DATE OPTION FOR IPC/IPE			R4
Accessories:				
632100	POWER SUPPLY FOR IPE 50 (220 VAC/12 VCC)			R4
640151	DSP10-24 RAIL DIN POWER SUPPLY (110/220 VAC, 24 VCC, 10 W)			R4
Related products:				
	PRINTER TP200			
	INDICATOR/REPEATER IPE50 XLR			

escalme

Services

-
- A large industrial autoclave with two vertical cylindrical chambers, one black and one silver, mounted on a white base. The chambers are connected by a network of pipes and valves. The silver chamber has several horizontal bands or seals. The entire unit is housed within a white metal frame.



FS: rated capacity / v min = minimal interval according to cert. OIML R60 / C.F. = Combined error in % of Cn / DC = Code nut back

[illegible]

- Load cells, kits and electronics installation support
- Measurement chains commissioning
- Consulting and training
- Implementation of our electronics and software's



To proceed with the commissioning of your installation, SCAIME can intervene directly to your premises. The skills of our technical team allow us to work on your projects and problems of measurement with guaranteed success.

[illegible]

ES: rated capacity / $v_{\min}$ = minimal interval | according to cert. OIML R60 / C.E. = Combined error in % of C_n / DC = Code put back

Notes...

A series of horizontal dotted lines for writing notes.

Spare Parts...

P/N	Designation	DC
	For AVS and DVS LOAD CELL:	
640105	KIT OF 2 FKM SEALS FOR AVS	R1
640102	KIT OF 2 FKM SEALS FOR DVS	R1
	For CA40X 5-60t LOAD CELL:	
203305	UPPER PLATE CA40X - Upper plate, O-ring not included	R3
203306	BASE PLATE CA40X - Stainless steel base plate with anti-rotation, no O-ring included	R3
004458	O-RING 37.3X3.6 FOR CA40X PLATES - O-ring for upper and base plate	R3
	For C50NX 25-50t LOAD CELL:	
203311	BASE PLATE C50X 25T - Stainless steel base plate for C50ANX 10-25t, O-ring not included	R3
003343	BASE PLATE C50A 50T - Stainless steel base plate for C50ANX 50t, O-ring not included	R3
004402	O-RING FOR C50 PLATES - O-ring for base plate	R3
	For STABIFLEX 500 KITS STD or SS:	
870012	SET OF BALL/CUP FOR STABIFLEX-F 500	R3
	For STABIFLEX 2T KITS STD or SS:	
870013	SET OF BALL/CUP FOR STABIFLEX-F 2T	R3
870014	SET OF BALL/CUP FOR STABIFLEX-SK 2T	R3
203001	HARDENED SS-STEEL SHIM FOR STABIFLEX 2T	R3
	For STABIFLEX 5T KITS STD or SS:	
870015	SET OF BALL/CUP FOR STABIFLEX-F 5T	R3
870016	SET OF BALL/CUP FOR STABIFLEX-SK 5T	R3
003273	HARDENED SS-STEEL SHIM FOR STABIFLEX 5T	R3

DC = Code put back

Spare Parts...

P/N	Designation	DC
	For JUNCTION BOXES:	
803054	BOARD ALCJB-A4	R4
006618	BOARD ALCJB-X4	R4
803055	BOARD ALCJB-A6	R4
803056	BOARD ALCJB-A8	R4
803057	BOARD ALCJB-A8 GDT	R4
006617	BOARD DLCJB-A8 GDT	R4
	For IPC20 INDICATOR:	
632217	EXTERNAL POWER SUPPLY FOR IPC20 STD - Power supply bloc	R4
632218	EXTERNAL POWER SUPPLY IPC20 IND - External battery charger with specific connector	R4
632219	INTERNAL BATTERY NI-MH FOR IPC20 IND	R4
NC	CPU BOARD FOR IPC20	R4
632085	FRONT PANEL FOR IPC20 - Plastic housing front panel with keyboard	R4
	For IPC50 INDICATOR:	
632108	INTERNAL POWER SUPPLY 220V FOR IPC50/IPE100	R4
NC	INTERNAL BATTERY 6V/4.5Ah FOR IPC/IPE	R4
632117	IPC50 CPU CARDS	R4
632079	IPC50 PLBOX FRONT PANEL - Front panel in plastic enclosure with keypad	R4
632080	IPC50 SSBOX FRONT PANEL - Stainless steel front panel with keypad	R4
NC	ADHESIVE RING FOR IPE50 SSBOX - Adhesive seal for IPC50 in stainless steel housing	R4
	For IPE50 INDICATOR:	
632074	CPU BOARD FOR IPE50 XLR	R4
632089	CPU BOARD FOR IPE50 XLI	
632075	DISPLAY BOARD FOR IPE50 XLR/XLI	R4
632131	FRONT PANEL FOR IPE50 XLR/XLI - Includes imprint, plexiglass and ring	R4
NC	FRONT PANEL IMPRINT FOR IPE50 XLR/XLI - Imprint and plexiglass only	R4
NC	ADHESIVE RING FOR IPE50 XLR/XLI	R4
NC	INTERNAL POWER SUPPLY BLOC FOR IPE50 XLR/XLI	R4
	For IPE100 INDICATOR:	
632108	INTERNAL POWER SUPPLY 220V FOR IPC50/IPE100	R4
NC	INTERNAL BATTERY 6V/4.5Ah FOR IPC/IPE	R4
632082	CPU BOARD FOR IPE100	R4
632083	DISPLAY BOARD FOR IPE100	R4
632090	SURGE PROTECTOR BOARD FOR IPE100	R4
632078	FRONT PANEL FOR IPE100 - Includes keyboard	R4
632068	1.5M RS232 CABLE WITH RJ45/DB9 FOR IPC50/IPE100 - For connection to a PC	R4
632069	0.4M KEYBOARD CABLE WITH MINI-DIN FOR IPE100 - For connection of a standard keyboard to an IPE100	R4
	For TP200 PRINTER:	
632115	BATCH OF 50 PAPER ROLLS FOR TP200 PRINTER - Thermal paper rolls	R4

Sub-assemblies or accessories sold new appear in the standard product catalogue but can be ordered as spare parts at the same price.

DC = Code put back

GENERAL CONDITIONS OF SALE BETWEEN PROFESSIONALS

1. ORDER - FORMATION OF CONTRACT

The General Conditions of Sale and the product catalogue form an indivisible whole, which the CUSTOMER accepts by acknowledging having read and understood this document. Unless specifically agreed and notified in writing, these conditions are applicable to all transactions, regardless of what may be stated on the orders which are addressed to SCAIME or in the CUSTOMER's general conditions of purchase.

These conditions may only be amended or supplemented by SCAIME's special conditions of sale or written offer. Any amendment made to these conditions of sale without the express agreement of SCAIME shall be deemed unwritten. The contractual documents constituting the contract binding the parties are:

1. SCAIME's Special Conditions of Sale
2. SCAIME's offer, including the price offer and its provisions
3. SCAIME's General Conditions of Sale
4. The CUSTOMER's purchase orders
5. The CUSTOMER's specifications sheet and its provisions

An order is only accepted after the company SCAIME has sent confirmation of receipt of order to the CUSTOMER in which the delivery time is stated. Prices are given in Euros based on the economic conditions on their date of issue. Beyond the time provided in the quotes, these prices may be subject to adjustment.

The minimum order amount is set at €80 ex VAT. Any cancellation of order by the CUSTOMER taking place after SCAIME has issued the confirmation of receipt of order may result in cancellation charges, or return charges if the products have already be delivered. Cancellation charges are intended to cover expenses already incurred by SCAIME and processing time.

2. PACKAGING AND CARRIAGE

Packaging and carriage costs are calculated based on the carrier rates in force and according to the services requested (please consult SCAIME).

3. PRICE

Unless otherwise agreed, SCAIME's prices are given in Euros, deemed net ex VAT, not including packaging and carriage costs, ex-works Juvigny (F-74100). Packaging, shipping and customs charges are to be paid by the customer and may be invoiced as specific items.

4. CLAUSE RELATED TO SHIPPING AND TRANSFER OF RISKS

Unless otherwise agreed, products are delivered to the customer by the carrier chosen by SCAIME, according to the incoterm DAP. Consequently, delivery is deemed effective and risks transferred to the CUSTOMER upon delivery of the products (non-duty paid in the case of export) to the point defined by the latter. Regardless of the means of carriage and payment applied, it is the responsibility of the recipient to unpack the goods and express any necessary reservations to the carriers, and to inform SCAIME thereof within 48 hours of receipt of the goods. After such time, claims related to carriage will no longer be admissible. The CUSTOMER undertakes to insure the goods against any risks they may incur and pose during their delivery. Where the CUSTOMER assumes responsibility for carriage, the transfer of risk is effective after the goods have been loaded into the carrier's vehicle at SCAIME's premises.

5. PAYMENT

Unless otherwise agreed, and only after agreement signified by the opening of a credit line by SCAIME's finance department, products are billed on the day of dispatch with a due date of 30 days end of month. In specific cases where a credit line is not opened, orders will be subject to cash payment.

No discount is given for early payment. Failure to pay by the agreed due date entitles SCAIME to suspend any delivery. For France, in the case of payment by bills of exchange, the latter must be returned accepted within 10 days of receipt of invoice. Special products or studies are subject to a 30 % instalment of the ex VAT amount of the quote, with a due date set by SCAIME according to the date specified in the pro forma invoice. The delivery time then runs as of receipt of this instalment.

6. DELIVERY TIME

Delivery times are given by way of indication and correspond to the date of dispatch of the products.

The date of dispatch agreed by SCAIME is that of the confirmation of receipt of order. It is the case however that this date of dispatch may be deferred in the event of non-payment of a previous invoice or in the event of the allocated credit limit having been exceeded.

Once the payment incident has been resolved, a new date will be set and indicated to the CUSTOMER.

7. LATE-PAYMENT PENALTIES

By express agreement, failure to pay by the due date, or any refusal to accept a bill of exchange, will lead, automatically and without the need for prior notification, to:

- application of a penalty calculated on the basis of the most recent refinancing rate of the ECB plus ten percentage points, in accordance with Law 2008-776 of 4 August 2008, without being lower than three times the applicable legal interest rate, and without prejudice to any damages;
- application of a fixed-sum penalty for recovery costs of €40 in accordance with Directive No. 2011/7/EU;
- suspension of SCAIME's services and guarantee, and notably suspension of subsequent deliveries;
- payment by way of penalty clause of a fixed and irreducible sum equal to 15 % of the amounts due.

8. GUARANTEE

Peaceable possession guarantee: since the CUSTOMER purchases at its own risk, SCAIME shall not be bound by any guarantee where the CUSTOMER's possession is challenged by third-party claims. SCAIME shall not be liable for reimbursement of cost.

Hidden defects guarantee: SCAIME is liable for hidden defects in sold goods under the conditions provided for in Articles 1641 et seq. of the Civil Code. The CLIENT may issue a request under the terms of the guarantee concerning hidden defects in sold goods.

Contractual guarantee: Unless specifically agreed in a special contract, the goods are guaranteed against any defect 1 year from date of invoice and 3 years from date of invoice for certain ranges of products defined by SCAIME in its offers.

This guarantee is applicable in SCAIME's premises, the goods being returned carriage paid after obtaining an "RMA" (Return Merchandise Authorisation form) from SCAIME's after-sales service department.

The guarantee is limited to bringing into conformity or exchanging the goods, with the exclusion of any compensation, including for loss of enjoyment due to non-use of the goods during the period of repair.

Repairs outside guarantee will be subject to an advance quote and shall only be dispatched after agreement from the CUSTOMER.

SCAIME does not under any circumstances accept "debit notes" issued by the purchaser corresponding to the value of the goods returned.

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9. TAXES AND DUTIES

Invoices received by French customers are subject to VAT at the rate in force on the date of invoicing. Instalment requests, where applicable, are expressed before tax.

Tax-suspended sales for re-export shall only be accepted upon provision of a declaration from the relevant tax office.

10. RETENTION OF OWNERSHIP

The products remain under full ownership of SCAIME until complete payment of the agreed price. In the event of non-payment, SCAIME is entitled to demand the unpaid goods, and the Purchaser is required to return them immediately upon request.

However, the CUSTOMER has the right to sell to their own customers, as part of the normal operation of their business, goods bought from SCAIME which still remain under retention of ownership, on the condition of informing the sub-purchaser that the goods sold have not been paid in full to SCAIME and are therefore encumbered by a retention of ownership clause in favour of the latter.

11. FORCE MAJEURE

In the case of occurrence of any event of force majeure, such as a strike, lock-out, fire, flood, disruption or delay of raw materials, at any time in the process (order, manufacture, delivery), SCAIME's obligations shall be suspended throughout the duration of the event of force majeure as of occurrence of the event of force majeure. SCAIME shall not incur any liability and is under no obligation to repair damages suffered by the CUSTOMER due to non-performance or inadequate performance of all or part of its obligations due to this event of force majeure. If an event of force majeure lasts for a period exceeding 7 days, SCAIME may cancel the sale, without the CUSTOMER being entitled to any compensation, by sending the CUSTOMER a standard letter or e-mail. SCAIME reserves the right to retain any instalments already received on the date of occurrence of the event of force majeure.

12. TOOLS, SPECIAL EQUIPMENT, PROTOTYPES

Any contribution to the costs of creating tools, special equipment or prototypes which may be requested from the CUSTOMER does not entail transfer to the latter of physical ownership of the above or of the intellectual property rights related thereto, unless otherwise agreed in writing.

13. INTELLECTUAL PROPERTY - CONFIDENTIALITY

SCAIME retains the intellectual property rights for projects, studies, drawings, models and objects it produces or which are produced on its behalf. These may not be used without prior written authorisation. Unless otherwise agreed, the CUSTOMER shall maintain confidentiality regarding SCAIME's written or oral information communicated to it directly or indirectly, including after the end of the contractual relationship.

14. SETTLEMENT OF DISPUTES

SCAIME and the CUSTOMER shall strive to settle their differences amicably.

Failing which, any dispute shall by express agreement fall under the exclusive competence of the Commercial Court (Tribunal de Commerce) in Thonon-les-Bains (F-74200) including in the case of multiple defendants and the introduction of third parties. The applicable law is French law.

Where the contract includes an international element, the Vienna Convention of 11 April 1980 on the international sale of goods (United Nations Convention on Contracts for the International Sale of Goods) shall also apply.

15. DIVISIBILITY

Should any one of the provisions contained herein be considered unlawful, void or inapplicable by virtue of a law, regulation, or court ruling, this provision alone shall be deemed unwritten, without affecting the other provisions contained herein, which shall remain fully in force.

16. PROTECTION OF PERSONAL DATA

Within the framework of the commercial relationship, SCAIME may collect and use personal data concerning the CUSTOMER's staff. The data collected relates to surnames, first names, email addresses, telephone numbers and job titles. The processing operations performed concern the different stages of the commercial relationship: offer, account creation, confirmation of receipt of order, delivery, invoicing, and any exchanges justified by the above. The processing of personal data has its legal basis in

- the legitimate interest of the company when it pursues the following purposes:
 - prospection and coordination;
 - management of relations with its customers and prospects;
 - organisation, registration and invitation to company events.
- execution of pre-contractual or contractual measures when it undertakes processing for the purposes of:
 - production, management and monitoring of its customer cases;
 - recovery.
- compliance with legal and regulatory obligations when it undertakes processing for the purposes of:
 - invoicing;
 - accounting.

In accordance with Article 13 of the General Data Protection Regulation of 27 April 2016 no. 2016/679, SCAIME undertakes not to use such data for any other purpose, and to protect it. By signing these General Conditions of Sale, the CUSTOMER accepts that SCAIME may collect and use such data throughout the entire duration of the commercial relationship plus 3 years for purposes of coordination and prospection, without prejudice to obligations of conservation or prescription periods. For accounting purposes, this data is conserved for 10 years as of closure of the accounting year.

The data processed is sent to authorised people in the company, as well as its service providers.

Any employee of the CUSTOMER may exercise their right of access, rectification, erasure or limitation of processing, or obtain a copy of this data, by sending a request by email to the address: dpo@scaime.com or by post to the following address: SCAIME, 294 rue Georges Charpak, 74100 Juvigny, France.F

Those concerned have the right to submit a complaint to CNIL (the French data protection agency).

☐ I hereby acknowledge having read and understood these General Conditions of Sale.

CUSTOMER STAMP

NAME, JOB TITLE AND SIGNATURE OF THE AUTHORISED PERSON

DATE

Our **ORGANIZATION**...

France **HEADQUATEURS**

1 FACTORY

2 SALES OFFICES

4 BUSINESS PARTNERS



An international presence, the strength of a global player !



Headquarter : Technosite Altéa - 294, Rue Georges Charpak - 74100 JUVIGNY - FRANCE
SCAIME SAS - 294, RUE GEORGES CHARPAK - CS 50501 - 74105 ANNEMASSE CEDEX - FRANCE
Tél. : +33 (0)4 50 87 78 64 - info@scaime.com - www.scaime.com

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