

SINGLE-POINT LOAD CELL for platforms 250x400/400x600 mm



Manufactured according to OIML R60 standards

Capacity from 3 kg to 50 kg



- ALUMINUM ALLOY
- COMBINED ERROR $\leq \pm 0.02\%$
- IP65 PROTECTION RATING

CAPACITY	kg	PLATFORM (mm)	NET WEIGHT (kg)
	3	250 x 400	0.5
	6	250 x 400	0.5
	15	250 x 400	0.5
	30	400 x 600	0.5
	50	400 x 600	0.5

CERTIFICATIONS

- EAC** Complies with the Eurasian Customs Union regulations
- UK CA** Equivalent of the CE marking for the United Kingdom

CERTIFICATIONS ON REQUEST

Calibration report

- Ex** ATEX II 1G 2D (zone 0-1-2-21-22) (CE - **UK CA**)

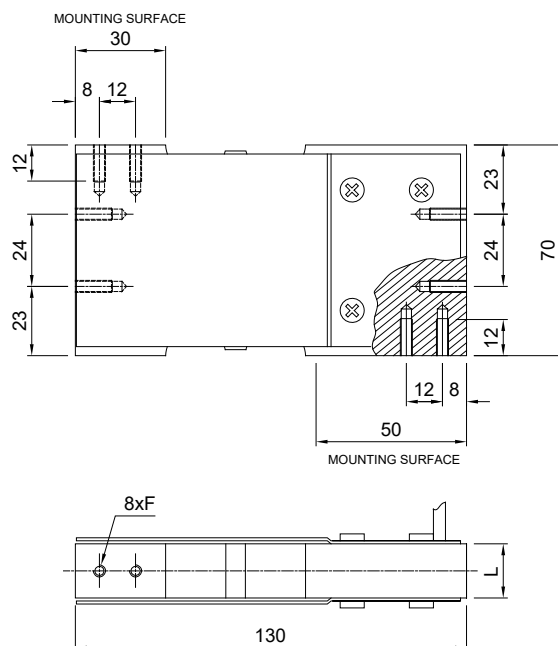
- IECEx** IECEx (zone 0-1-2-20-21-22)

- EAC Ex** Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres

- Ex-NEPSY** Complies with Chinese market regulations for use in potentially explosive atmospheres

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DIMENSIONS (mm)



	3 - 6 - 15 kg	30 - 50 kg
L	18	30
F	M4x0.7	M6x1

For the load cell fixing screws, provide the tightening torque indicated in the table

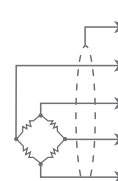
Screw	M4		M6	
Screw class	6.8	8.8	6.8	8.8
Tightening torque	2.2 Nm	3 Nm	7.5 Nm	10 Nm

TECHNICAL FEATURES

Material	Aluminum alloy		
Nominal load (E max)	3 - 6 - 15 - 30 - 50 kg		
Combined error	$\leq \pm 0.02\%$		
Protection rating	IP65		
Rated output	2 mV/V $\pm 10\%$	Input resistance	410 $\Omega \pm 10$
Temperature effect on zero	0.0025% $^{\circ}\text{C}$	Output resistance	350 $\Omega \pm 3$
Temperature effect on span	0.0025% $^{\circ}\text{C}$	Zero balance	$\pm 2\%$
Compensated temperature range	-10 $^{\circ}\text{C}$ / +40 $^{\circ}\text{C}$	Insulation resistance	>2000 M Ω
Operating temperature range	-20 $^{\circ}\text{C}$ / +60 $^{\circ}\text{C}$	Safe overload (% of full scale)	120%
Creep at nominal load in 30 minutes	0.025%	Ultimate overload (% of full scale)	200%
Max supply voltage without damage	15 V	Deflection at nominal load	0.5 mm

ELECTRICAL CONNECTIONS

Cable length	3 m
Cable diameter	4 mm
Cores	4 x 0.20 mm ²



SHIELD	
+ SIGNAL	GREEN
+ EXCITATION	RED
- SIGNAL	WHITE
- EXCITATION	BLACK