

SINGLE-POINT LOAD CELL for platforms 150x150 mm



Manufactured according to OIML R60 standards

Capacity from 5 kg to 50 kg



- AISI 420 STAINLESS STEEL
- COMBINED ERROR $\leq \pm 0.05\%$
- IP65 PROTECTION RATING

CAPACITY	kg	PLATFORM (mm)	NET WEIGHT (kg)
	5	150 x 150	0.13
	15	150 x 150	0.13
	50	150 x 150	0.13

CERTIFICATIONS



Complies with the Eurasian Customs Union regulations

Equivalent of the CE marking for the United Kingdom

CERTIFICATIONS ON REQUEST

Calibration report



ATEX II 1G 2D (zone 0-1-2-21-22) (CE - UKCA)



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



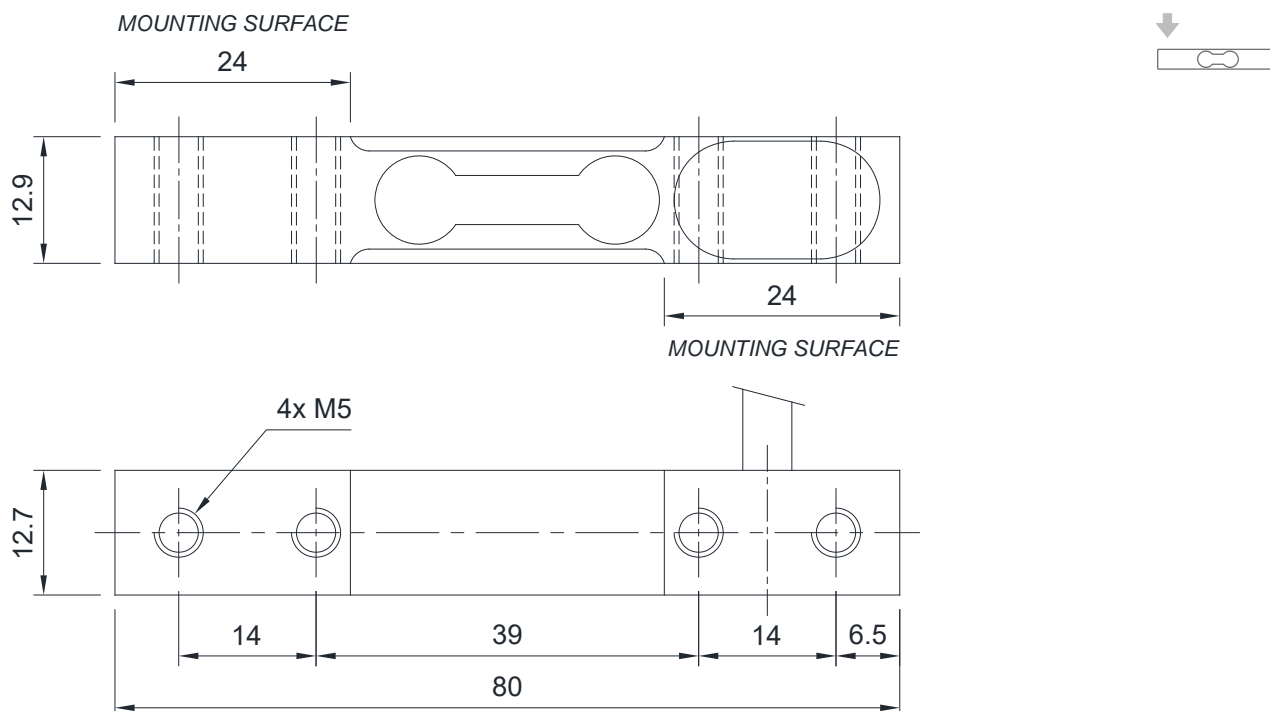
Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres



Complies with Chinese market regulations for use in potentially explosive atmospheres

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DIMENSIONS (mm)



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

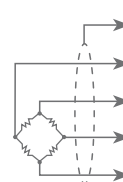
Screw	M5	
Screw class	6.8	8.8
Tightening torque	4.5 Nm	6 Nm

TECHNICAL FEATURES

Material	AISI 420 stainless steel		
Nominal load (E max)	5 - 15 - 50 kg		
Combined error	$\leq \pm 0.05\%$		
Protection rating	IP65		
Rated output	3 mV/V $\pm 10\%$	Input resistance	410 $\Omega \pm 40$
Temperature effect on zero	0.005% $^{\circ}\text{C}$	Output resistance	350 $\Omega \pm 5$
Temperature effect on span	0.005% $^{\circ}\text{C}$	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)	150%
Creep at nominal load in 30 minutes	0.05%	Ultimate overload (% of full scale)	200%
Max supply voltage without damage	10 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