AF

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 ≤ ±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 *(zone 2-22)*
	Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
	Complies with Chinese market regulations for use in potentially explosive atmospheres

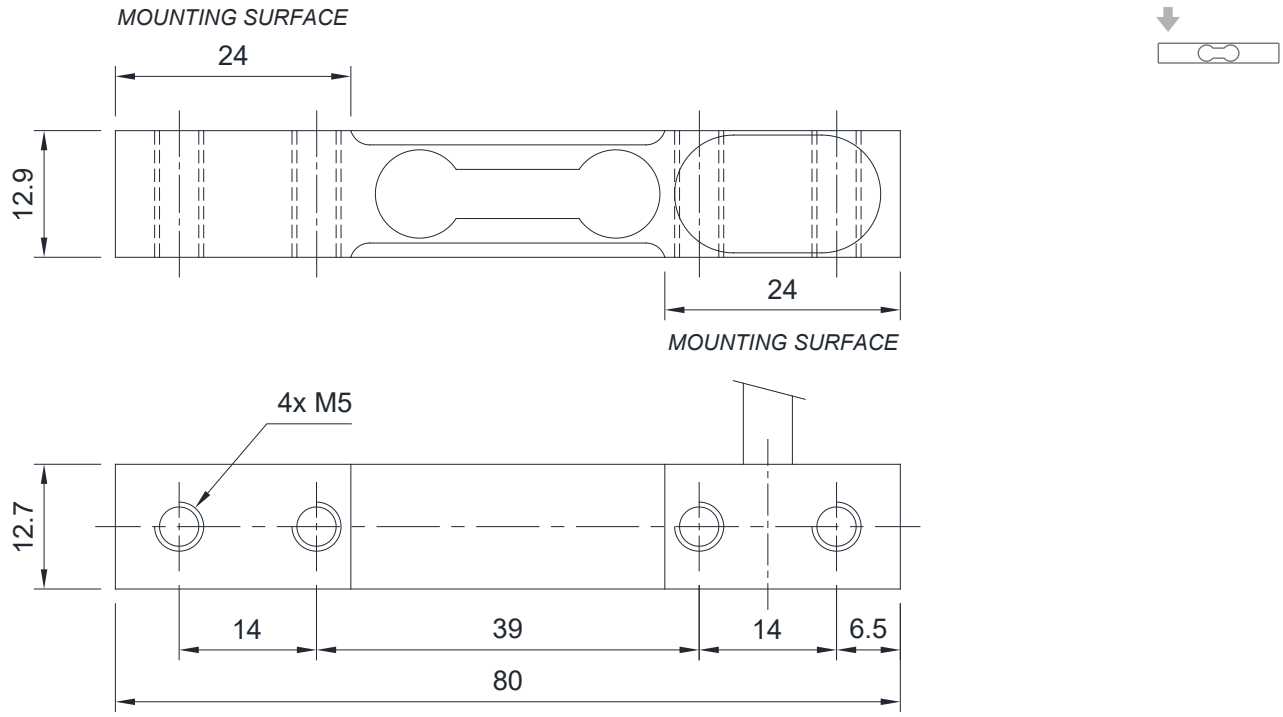
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LAUMAS®

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

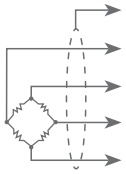
TECHNICAL FEATURES

Material	AISI 420 stainless steel
Nominal load (E max)	5 - 15 - 50 kg
Combined error	≤ ±0.05%
Protection rating	IP65

Rated output	3 mV/V ±10%	Input resistance	410 Ω ±40
Temperature effect on zero	0.005% °C	Output resistance	350 Ω ±5
Temperature effect on span	0.005% °C	Zero balance	±2%
Compensated temperature range	-10 °C / +40 °C	Insulation resistance	>2000 MΩ
Operating temperature range	-20 °C / +60 °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 mm²



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

The Company reserves the right to make changes to the technical data, drawings and images without notice.

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ISO 9001
ISO 14001

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