ALL

SINGLE-POINT LOAD CELL for platforms 250x350 mm

LAUMAS®

Capacity from 3 kg to 50 kg



- ALUMINUM ALLOY
- COMBINED ERROR ≤ ±0.02% (0.017% C4; 0.014% C5)
- IP65 PROTECTION RATING

CAPACITY kg	ACCURACY CLASS C3	C4	C5	NTEP	PLATFORM (mm)	NET WEIGHT (kg)
3	•	•	•	•	250 x 350	0.2
5	•	•	•	•	250 x 350	0.2
10	•	•	•	•	250 x 350	0.2
15	•	•	•	•	250 x 350	0.2
20	•	•	•	•	250 x 350	0.2
30	•	•	•	•	250 x 350	0.2
50	•	•	•	•	250 x 350	0.2
		ON REQUEST				

CERTIFICATIONS

OIML R60 C3

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)*
OIML R60 C4/C5
Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
Complies with Chinese market regulations for use in potentially explosive atmospheres
NTEP - Complies with United States regulations for legal for trade use

COMPLEMENTARY ACCESSORIES

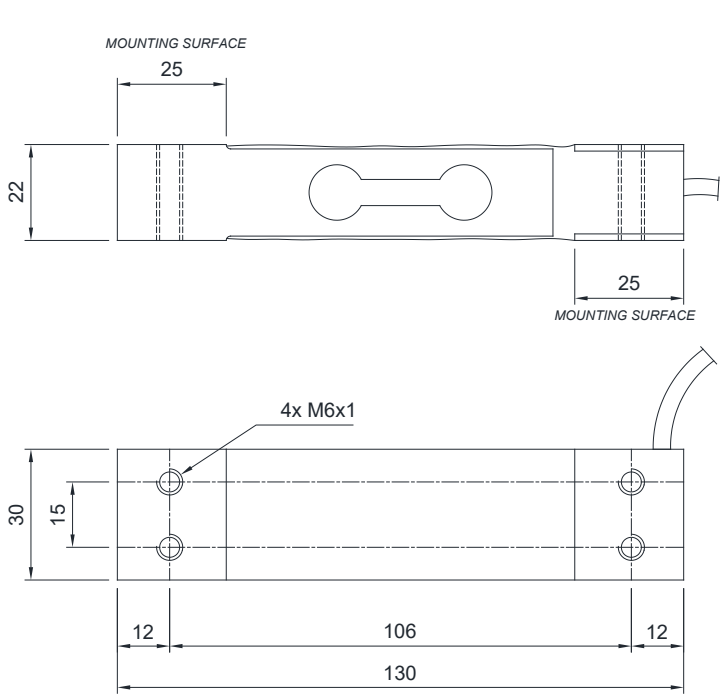
	DESCRIPTION	
	Pair of stainless steel tension brackets. Maximum static load: 50 kg.	STAFFEALL

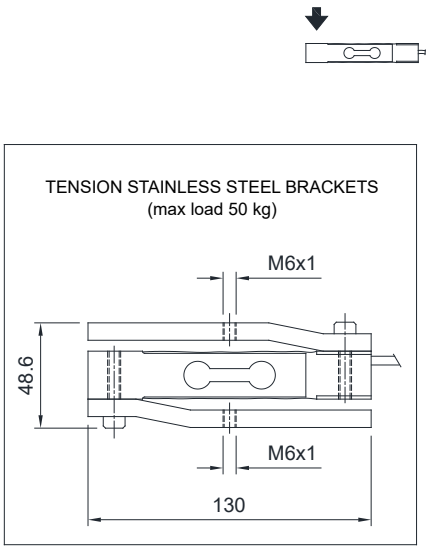
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DIMENSIONS (mm)





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

Screw	M6	
Screw class	6.8	8.8
Tightening torque	7.5 Nm	10 Nm

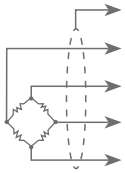
TECHNICAL FEATURES

Material	Aluminum alloy		
OIML R60 Accuracy class • Verification intervals	C3 • 3000	C4 • 4000	C5 • 5000
Nominal load (E max)	3 - 5 - 10 - 15 - 20 - 30 - 50 kg		
Minimum verification interval (V min)	E max / 10000	E max / 15000	E max / 20000
Combined error	≤ ±0.02%	≤ ±0.017%	≤ ±0.014%
Protection rating	IP65		

Rated output	2 mV/V ±10%	Input resistance	409 Ω ±6
Temperature effect on zero	0.0014% °C	Output resistance	350 Ω ±3
Temperature effect on span	0.0017% °C	Zero balance	≤ ±2%
Compensated temperature range	-10 °C / +40 °C	Insulation resistance	≥5000 MΩ
Operating temperature range	-35 °C / +65 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.015%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	18 V	Deflection at nominal load	0.5 mm

ELECTRICAL CONNECTIONS

Cable length	3 m
Cable diameter	3.8 mm
Cores	4 x 0.20 mm²



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

Rev. 0.0

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