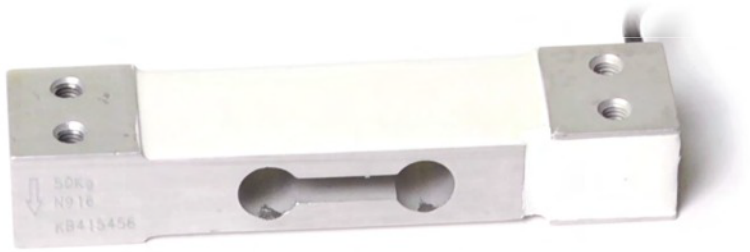
N ALL Single Point Loadcell

LAUMAS®



Description

- Aluminum alloy
- Combined error = ±0.02% (0.017% c4; 0.014% c5)
- Protection class IP65

Capacity from 3 kg to 50 kg

CAPACITY	Kg	ACCURACY CLASS C3	C4	C5	IECEx Ex	EAC	PLATFORM DIMENSION	NET WEIGHT OF LOAD CELL	CODE
	3	•	•	•	•	•	250 x 350	0.2	ALL3
	5	•	•	•	•	•	250 x 350	0.2	ALL5
	10	•	•	•	•	•	250 x 350	0.2	ALL10
	15	•	•	•	•	•	250 x 350	0.2	ALL15
	20	•	•	•	•	•	250 x 350	0.2	ALL20
	30	•	•	•	•	•	250 x 350	0.2	ALL30
	50	•	•	•	•	•	250 x 350	0.2	ALL50
			ON REQUEST						

Certifications

OIML R60 C3

	CERTIFICATIONS ON REQUEST
Ex	ATEX II 1GD (zone 0-1-2-20-21-22)
IECEx	IECEx (zone 0-1-2-20-21-22)
OIML	OIML R60 C4/C5
EAC	Complies with the Eurasian Custom Union regulations (Russia, Belarus, Kazakhstan)

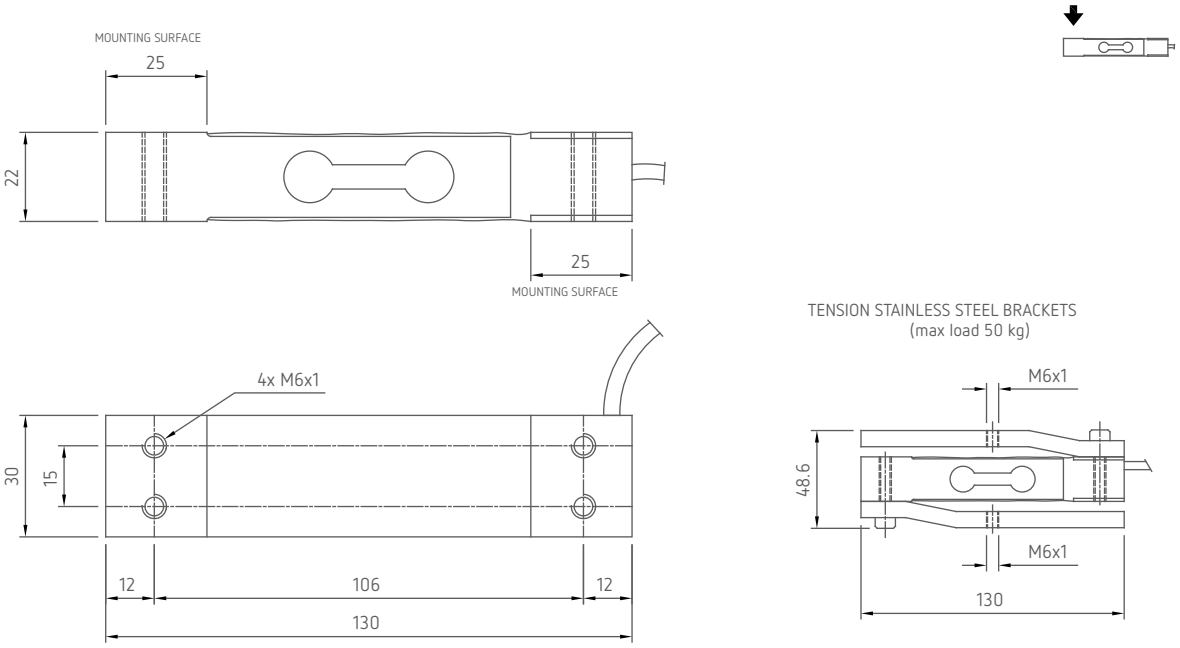
Complementary accessories



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

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Dimensions (mm)



TENSION STAINLESS STEEL BRACKETS
(max load 50 kg)

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 class		IP65	

Rated output	2 mV/V ±10%	Input resistance	409 Ω ±6
Temperature effect on zero	0.0017% °C	Output resistance	350 Ω ±3
Temperature effect on span	0.0014% °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 lenght	3 m
Cable diameter	3.8 mm
Cores	4 x 0.20 mm²



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