

AU**SINGLE-POINT LOAD CELL for platforms 250x400 / 400x600 mm****LAUMAS®**

Manufactured according to OIML R60 standards

Capacity from 3 kg to 50 kg

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

CAPACITY	kg					PLATFORM (mm)	NET WEIGHT (kg)	CODE
3		•	•	•		250 x 400	0.5	AU3
6		•	•	•		250 x 400	0.5	AU6
15		•	•	•		250 x 400	0.5	AU15
30		•	•	•		400 x 600	0.5	AU30
50		•	•	•		400 x 600	0.5	AU50

ON REQUEST

CERTIFICATIONS

Complies with the Eurasian Customs Union standards

CERTIFICATIONS ON REQUEST



ATEX II 1GD (zone 0-1-2-20-21-22)

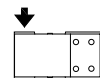
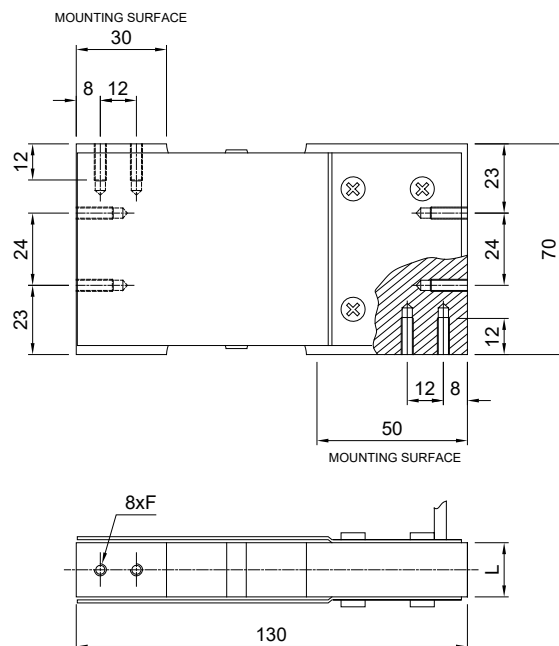


IECEx (zone 0-1-2-20-21-22)



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

DIMENSIONS (mm)



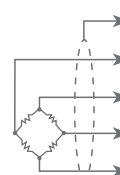
	3 - 6 - 15 kg	30 - 50 kg
L	18	30
F	M4x0.7	M6x1

TECHNICAL FEATURES

Material	Aluminum alloy		
Nominal load (E max)	3 - 6 - 15 - 30 - 50 kg		
Combined error	$\leq \pm 0.02\%$		
Protection class	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	6 x 0.20 mm ²



SHIELD	
+ SIGNAL	GREEN
+ EXCITATION + REF./SENSE	RED BLUE
- SIGNAL	WHITE
- EXCITATION - REF./SENSE	BLACK YELLOW/BROWN