APL

SINGLE-POINT LOAD CELL for platforms 600x600 mm

LAUMAS®

Capacity from 50 kg to 500 kg



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

CAPACITY kg	ACCURACY CLASS C3	C4	PLATFORM (mm)	NET WEIGHT (kg)
50	•	–	600 x 600	1.7
100	•	–	600 x 600	1.7
150	•	•	600 x 600	1.7
200	•	•	600 x 600	1.7
300	•	•	600 x 600	1.7
500	•	•	600 x 600	1.7

⌊⌋ 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
Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
Complies with Chinese market regulations for use in potentially explosive atmospheres

COMPLEMENTARY ACCESSORIES

	DESCRIPTION	MODEL
	Stainless steel and rubber waterproof kit (Ø 107x245 mm cable gland included)	IP68APL
	Stainless steel drawn block.	BLOCAPL

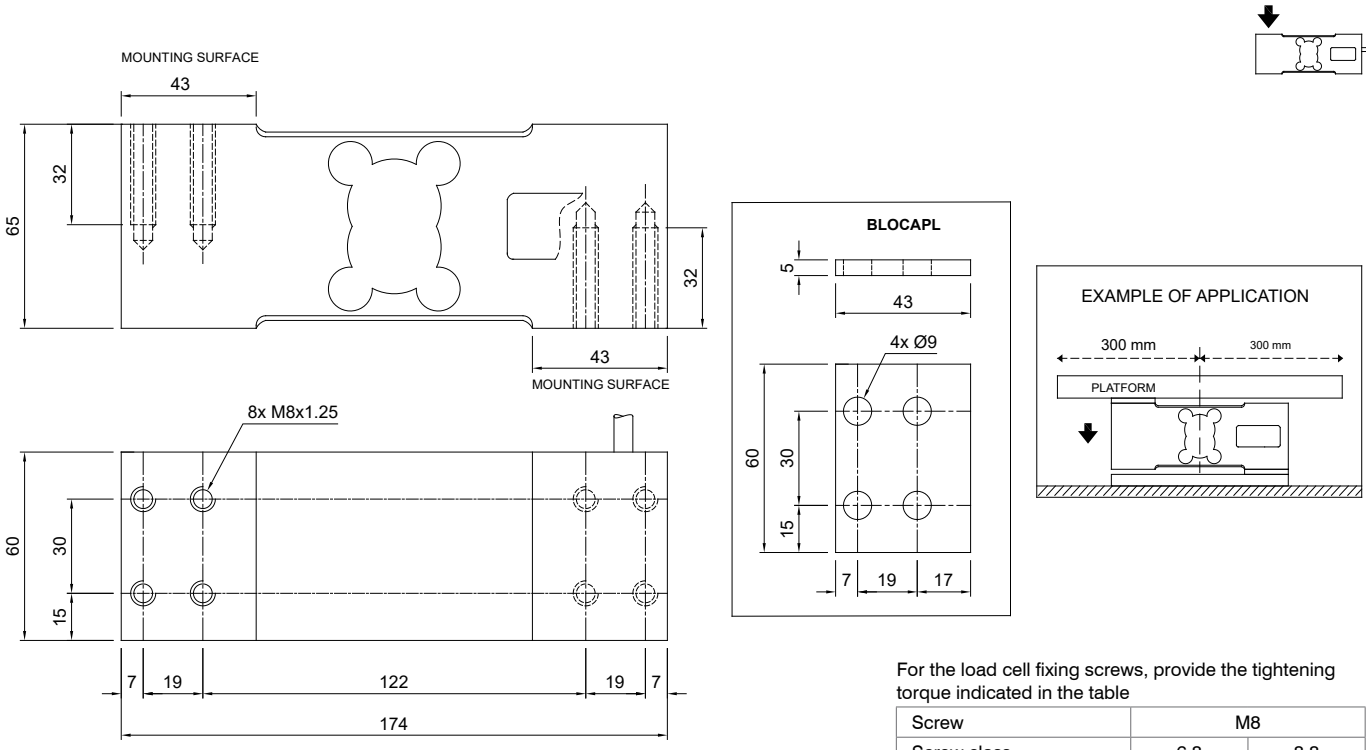
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DIMENSIONS (mm)



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

Screw	M8	
Screw class	6.8	8.8
Tightening torque	19 Nm	25 Nm

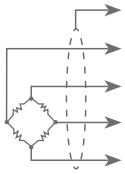
TECHNICAL FEATURES

Material	Aluminum alloy	
OIML R60 Accuracy class • Verification intervals	C3 • 3000	C4 • 4000
Nominal load (E max)	50 - 100 - 150 - 200 - 300 - 500 kg	150 - 200 - 300 - 500 kg
Minimum verification interval (V min)	E max / 12000	E max / 15000
Combined error	≤ ±0.02%	≤ ±0.017%
Protection rating	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	≤ ±1%
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	6 mm
Cores	6 x 0.20 mm²



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

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

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ISO 14001

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