LPED

COMPRESSION LOAD CELL FOR FOOT BRAKE

Manufactured according to OIML R60 standards

Capacity 100 kg

- ALUMINUM
- COMBINED ERROR ≤ ±0.08%
- IP65 PROTECTION RATING
- FLEXIBLE CABLE

CAPACITY	kg	NET WEIGHT (kg)
	100	0.4

CERTIFICATIONS

Complies with the Eurasian Customs Union regulations

Equivalent of the CE marking for the United Kingdom

CERTIFICATIONS ON REQUEST
Calibration report

OPTIONS ON REQUEST

	DESCRIPTION
	Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems

Rev. 0.0

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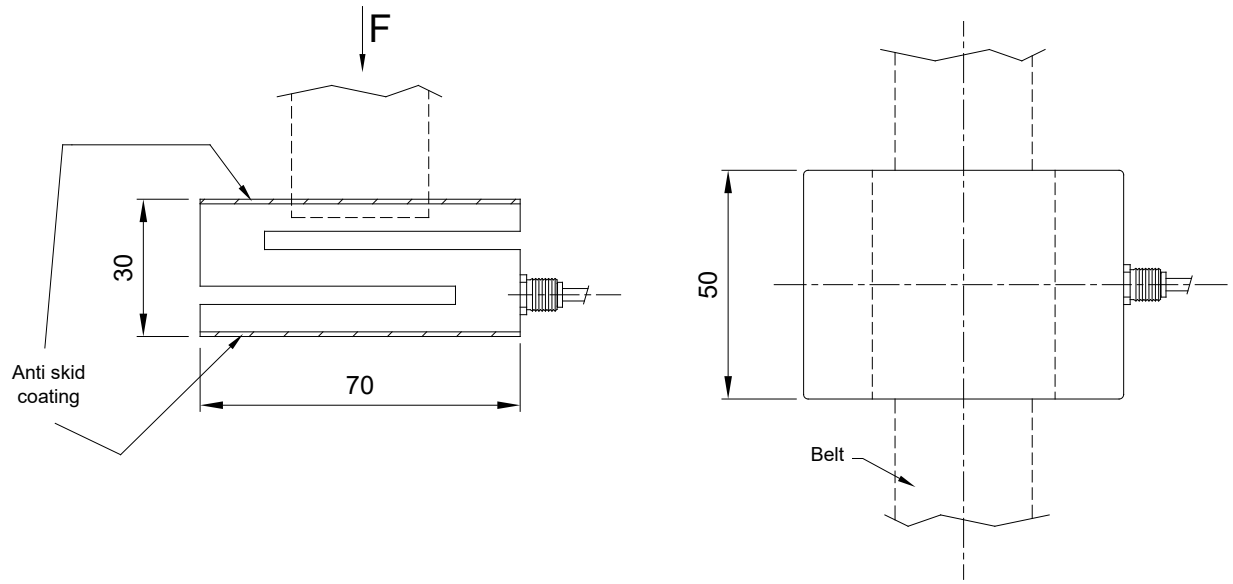
LAUMAS®

DIMENSIONS (mm)



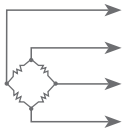
TECHNICAL FEATURES

Material	Aluminum
Nominal load (E max)	100 kg
Combined error	≤ ±0.08%
Protection rating	IP65

Rated output	1 mV/V ±0.2%	Input resistance	350 Ω ±50
Temperature effect on zero	0.005% °C	Output resistance	350 Ω ±5
Temperature effect on span	0.003% °C	Zero balance	±1%
Compensated temperature range	-20 °C / +70 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-30 °C / +90 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.03%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	15 V	Deflection at nominal load	0.25 mm

ELECTRICAL CONNECTIONS

Cable length	2 m
Cable diameter	5 mm
Cores	4 x 0.25 mm²



+ SIGNAL	BROWN
+ EXCITATION	BLUE
- 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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