

LPED

COMPRESSION LOAD CELL FOR FOOT BRAKE



Manufactured according to OIML R60 standards

Capacity 100 kg



- ALUMINUM
- COMBINED ERROR $\leq \pm 0.08\%$
- PROTECTION CLASS IP65
- FLEXIBLE CABLE

CAPACITY	kg	    	NET WEIGHT (kg)	CODE
100			0.4	LPED100

CERTIFICATIONS

	Complies with the Eurasian Custom Union standards
CERTIFICATIONS ON REQUEST	
	Accredia traceable calibration report
	ATEX II 1GD (zone 0-1-2-20-21-22)
	IECEx (zone 0-1-2-20-21-22)
 	Complies with the Eurasian Custom Union standards for use in potentially explosive atmospheres

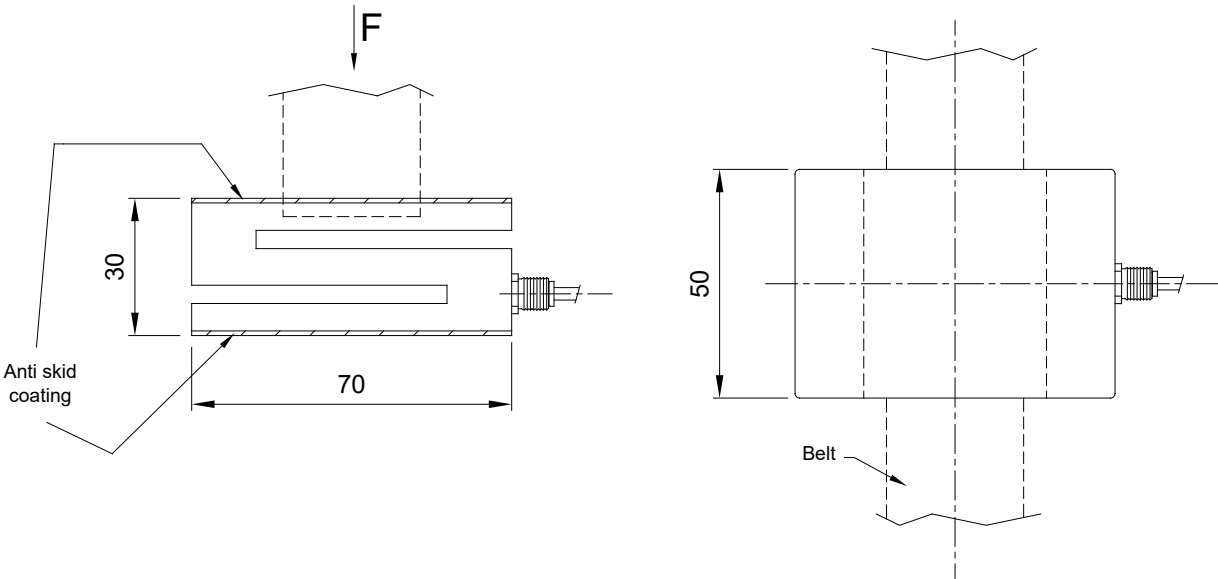
OPTIONS ON REQUEST

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

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DIMENSIONS (mm)



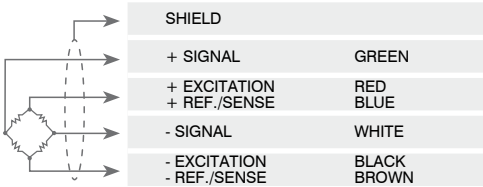
TECHNICAL FEATURES

Material	Aluminum		
Nominal load (E max)	100 kg		
Combined error	≤ ±0.08%		
Protection class	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	-10 °C / +50 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-20 °C / +70 °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 lenght	2 m
Cable diameter	5 mm
Cores	6 x 0.25 mm²



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