



Manufactured according to OIML R60 standards

Capacity 100 kg



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

CAPACITY	kg	NET WEIGHT (kg)
100		0.4

### CERTIFICATIONS

- EAC** Complies with the Eurasian Customs Union regulations
- UK CA** Equivalent of the CE marking for the United Kingdom

#### CERTIFICATIONS ON REQUEST

Calibration report

**Ex** ATEX II 1G 2D (zone 0-1-2-21-22) (CE - UK CA)

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

**EAC Ex** Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres

**Ex-NEPSA** Complies with Chinese market regulations for use in potentially explosive atmospheres

### OPTIONS ON REQUEST

#### DESCRIPTION



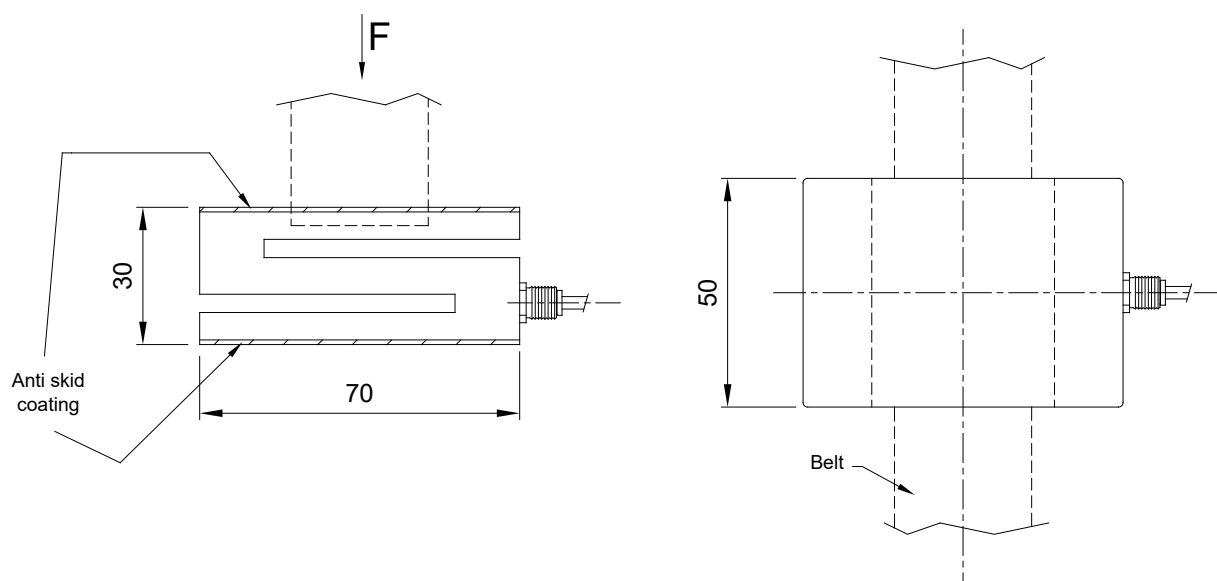
Two redundant strain gauges Wheatstone bridges (350  $\Omega$ ) with two output cables; for dual safety systems

# LPED

## COMPRESSION LOAD CELL FOR FOOT BRAKE

LAUMAS®

### DIMENSIONS (mm)

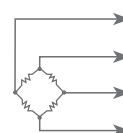


### TECHNICAL FEATURES

Material	Aluminum		
Nominal load (E max)	100 kg		
Combined error	$\leq \pm 0.08\%$		
Protection rating	IP65		
Rated output	1 mV/V $\pm 0.2\%$	Input resistance	350 $\Omega \pm 50$
Temperature effect on zero	0.005% $^{\circ}\text{C}$	Output resistance	350 $\Omega \pm 5$
Temperature effect on span	0.003% $^{\circ}\text{C}$	Zero balance	$\pm 1\%$
Compensated temperature range	-20 $^{\circ}\text{C}$ / +70 $^{\circ}\text{C}$	Insulation resistance	>5000 M $\Omega$
Operating temperature range	-30 $^{\circ}\text{C}$ / +90 $^{\circ}\text{C}$	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 mm <sup>2</sup>



+ SIGNAL	BROWN
+ EXCITATION	BLUE
- SIGNAL	WHITE
- EXCITATION	BLACK