

SL

TENSION (COMPRESSION) LOAD CELLS

LAUMAS®
ELETTRONICA



Capacity from 25 kg to 2500 kg

- SPECIAL STEEL
- COMBINED ERROR $\leq \pm 0.02\%$ (0.017% C4)
- PROTECTION CLASS IP67

CAPACITY	kg	ACCURACY CLASS		IECEx	Ex	EAC	EAC Ex	NET WEIGHT OF LOAD CELL (kg)	CODE
		C3	C4						
25		–	–	•	•	•	•	0.4	SL25
100		•	•	•	•	•	•	0.6	SL100
200		•	•	•	•	•	•	0.6	SL200
300		•	•	•	•	•	•	0.6	SL300
500		•	•	•	•	•	•	0.7	SL500
1000		•	•	•	•	•	•	0.9	SL1000
2500		•	•	•	•	•	•	1.6	SL2500

ON REQUEST

CERTIFICATIONS

OIML R60 C3

CERTIFICATIONS ON REQUEST

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

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

OIML R60 C4

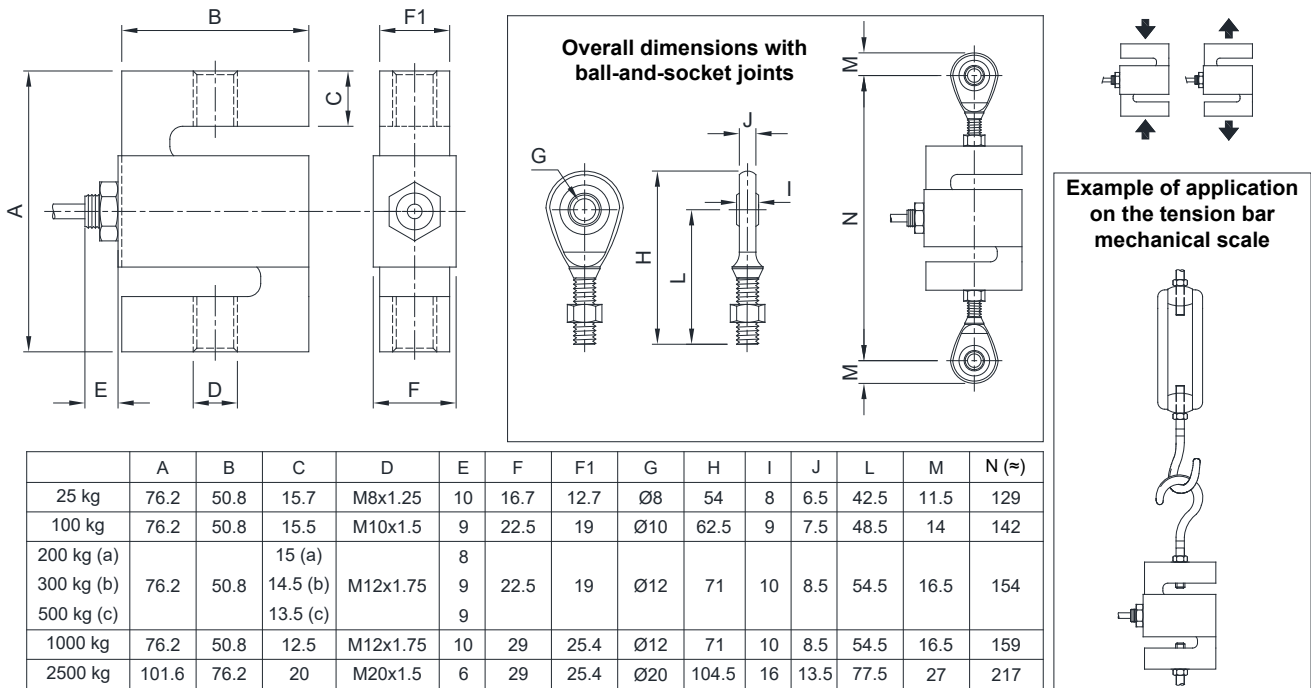
Complies with the Eurasian Custom Union standards

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

COMPLEMENTARY ACCESSORIES

	DESCRIPTION	CODE
	Dimensions: Special steel ball-and-socket joint with nut.	Load cell capacity:
	M8x1.25	25 kg EM8DADO
	M10x1.5	100 kg EM10DADO
	M12x1.75	200-1000 kg EM12DADO
	M20x1.5	2500 kg EM20DADO

DIMENSIONS (mm)



TECHNICAL FEATURES

Material	Special steel		
OIML R60 Accuracy class • Verification intervals	-	C3 • 3000	C4 • 4000
Nominal load (E max)	25 kg	100 - 200 - 300 kg 500 - 1000 - 2500 kg	100 - 200 - 300 kg 500 - 1000 - 2500 kg
Minimum verification interval (V min)	-	E max / 10000 E max / 15000	E max / 20000
Combined error	≤ ±0.02%	≤ ±0.02%	≤ ±0.017%
Protection class	IP67		
Rated output	2 mV/V ±0.2%	Input resistance	350 Ω ±3.5
Temperature effect on zero	0.0015% °C	Output resistance	350 Ω ±3.5
Temperature effect on span	0.0017% °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	0.03%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	18 V	Deflection at nominal load	0.4 mm

ELECTRICAL CONNECTIONS

Cable length	5 m (25 - 300 kg); 10 m (500 - 2500 kg)
Cable diameter	5 mm
Cores	4 x 0.24 mm ²



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