SA

TENSION (COMPRESSION) LOAD CELLS

LAUMAS®

Capacity from 15 kg to 60 kg



- AISI 4140 NICKEL PLATED STEEL
- COMBINED ERROR ≤ ±0.02%
- IP65 PROTECTION RATING

CAPACITY kg	ACCURACY CLASS C3	NET WEIGHT (kg)
15	•	0.28
30	•	0.28
60	•	0.28

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)*
	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
	Dimensions:	Load cell capacity:	
galvanized C40 steel ball-and-socket joint with nut	M6x1	15÷60 kg	EM

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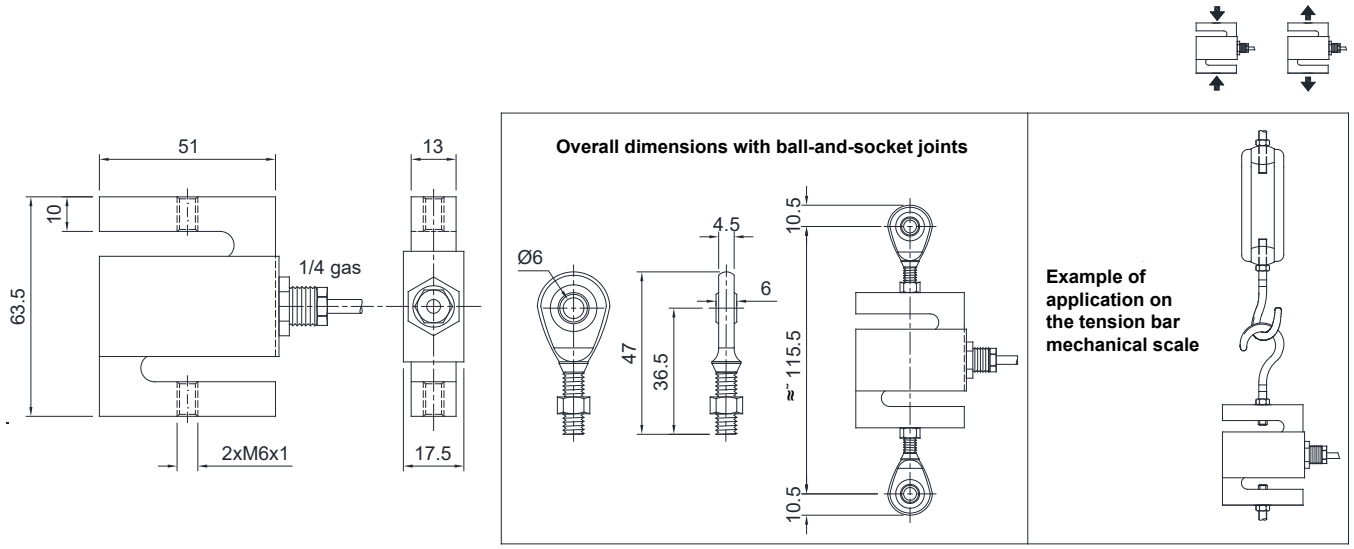
DIMENSIONS (mm)



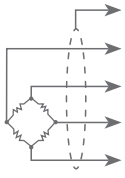
TECHNICAL FEATURES

Material	AISI 4140 nickel plated steel
OIML R60 Accuracy class • Verification intervals	C3 • 3000
Nominal load (E max)	15 - 30 - 60 kg
Minimum verification interval (V min)	E max / 8000
Combined error	≤ ±0.02%
Protection rating	IP65

Rated output	2 mV/V ±10%	Input resistance	381 Ω ±10
Temperature effect on zero	0.0017% °C	Output resistance	350 Ω ±10
Temperature effect on span	0.0013% °C	Zero balance	±1%
Compensated temperature range	-10 °C / +40 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-20 °C / +60°C	Safe overload (% of full scale)	120%
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	0.2 mm

ELECTRICAL CONNECTIONS

Cable length	3 m
Cable diameter	4 mm
Cores	4 x 0.24 mm²



SHIELD	
+ SIGNAL	GREEN
+ EXCITATION	RED
- SIGNAL	WHITE
- EXCITATION	BLACK

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

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ISO 9001
ISO 14001