TAL

TENSION LOAD CELLS

Manufactured according to OIML R60 standards

Capacity from 5000 kg to 20000 kg



- 17-4 PH STAINLESS STEEL
- HOLES FOR STANDARD SHACKLES
- COMBINED ERROR ≤ ±0.03%
- IP68 PROTECTION RATING

CAPACITY	kg	NET WEIGHT (kg)
5000		4.5
10000		4.6
20000		6.6

CERTIFICATIONS

Complies with the Eurasian Customs Union regulations

Equivalent of the CE marking for the United Kingdom

	CERTIFICATIONS ON REQUEST
	Calibration report
	LAT Accredia calibration certificate ISO 376 or ASTM E74 for capacities from 1000 kg to 10000 kg
	ATEX *(zone 2-22)*
	ATEX/IECEx *(zone 1-21)*
	Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
	Complies with Chinese market regulations 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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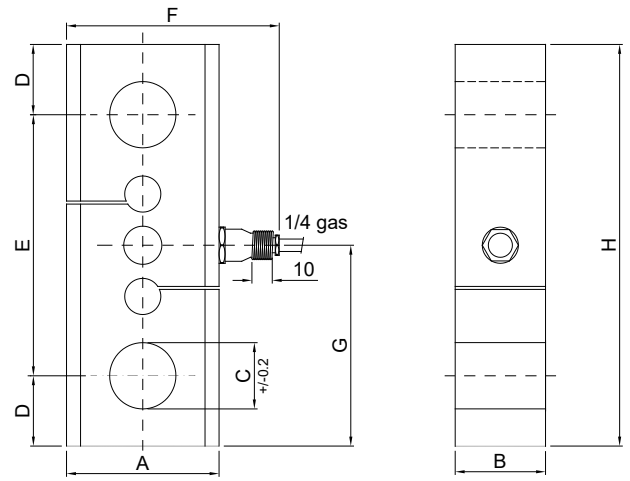
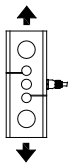
LAUMAS®

DIMENSIONS (mm)





	kg 5000 kg 10000	kg 20000
A	76	82
B	45	54
C	33	52
D	35	47
E	130	166
F	106	112
G	100	130
H	200	260

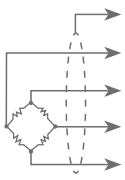
TECHNICAL FEATURES

Material	17-4 PH stainless steel
Nominal load (E max)	5000 - 10000 - 20000 kg
Combined error	≤±0.03%
Protection rating	IP68

Rated output	2 mV/V ±0.1%	Input resistance	350 Ω ±5
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	0.3 mm

ELECTRICAL CONNECTIONS

Cable length	10 m
Cable diameter	5 mm
Cores	6 x 0.14 mm²



SHIELD	
+ SIGNAL	GREEN
+ EXCITATION + REF./SENSE	RED BLUE
- SIGNAL	WHITE
- EXCITATION - REF./SENSE	BLACK YELLOW/BROWN

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

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