CTOL

TENSION (COMPRESSION) LOAD CELLS

Manufactured according to OIML R60 standards

Capacity from 50 kg to 300 kg



Capacity from 500 kg to 5000 kg



- AISI 420 STAINLESS STEEL
- COMBINED ERROR ≤ ±0.03%
- IP67 PROTECTION RATING

CAPACITY kg	NET WEIGHT (kg)
50	0.7
100	0.7
200	0.7
300	0.7
500	0.7
1000	1.4
2500	1.4
5000	2.7

CERTIFICATIONS

Complies with the Eurasian Customs Union regulations

Equivalent of the CE marking for the United Kingdom

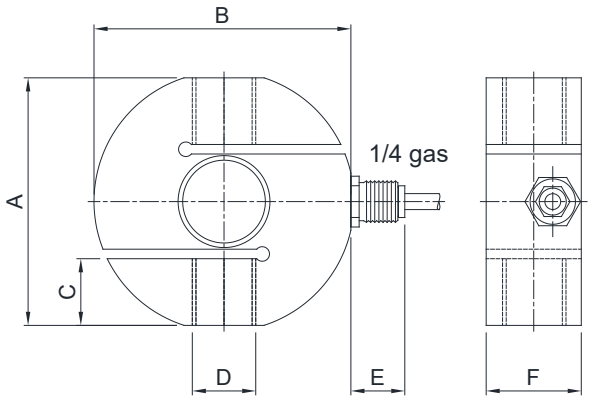
CERTIFICATIONS ON REQUEST	
	Calibration report
	LAT Accredia calibration certificate ISO 376 or ASTM E74 for capacities from 1000 kg to 10000 kg
	ATEX *(zone 2-22)*
	Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
	Complies with Chinese market regulations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

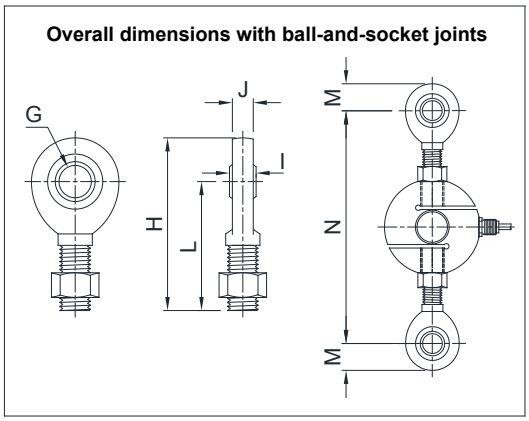
COMPLEMENTARY ACCESSORIES

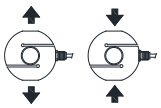


DESCRIPTION	DIMENSIONS	LOAD CELL CAPACITY	CODE
Ball-and-socket joint with nut:			
stainless steel	M12x1.75 M16x2 M20x1.5 M24x2	50-500 kg 1000 kg 2500 kg 5000 kg	EM-INOX
galvanized C40 steel	M12x1.75 M16x2 M20x1.5 M24x2	50-500 kg 1000 kg 2500 kg 5000 kg	EM

DIMENSIONS (mm)







	A	B	C	D	E	F	G	H	I	J	L	M	N (≈)
50 kg 500 kg	59.5	63.5	14.5	M12x1.75	17	22	Ø12	71	10	8.5	54.5	16.5	140
1000 kg	78	82	21	M16x2	17	30	Ø17	92	14	11.5	69.5	22.5	176
2500 kg	78	82	21	M20x1.5	17	30	Ø20	104.5	16	13.5	77.5	27	191
5000 kg	90	102	24	M24x2	17	45	Ø25	126	20	17.5	94.5	31.5	230

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LAUMAS®

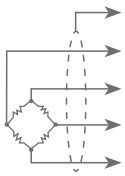
TECHNICAL FEATURES

Material	AISI 420 stainless steel
Nominal load (E max)	50 - 100 - 200 - 300 - 500 - 1000 - 2500 - 5000 kg
Combined error	≤ ±0.03%
Protection rating	IP67

Rated output	2 mV/V ±0.4%	Input resistance	385 Ω ±30
Temperature effect on zero	0.0025% °C	Output resistance	350 Ω ±10
Temperature effect on span	0.0025% °C	Zero balance	±2%
Compensated temperature range	-10 °C / +40 °C	Insulation resistance	>2000 MΩ
Operating temperature range	-20 °C / +60 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.03%	Ultimate overload (% of full scale)	250%
Max supply voltage without damage	15 V	Deflection at nominal load	0.4 mm

ELECTRICAL CONNECTIONS

Cable length	10 m
Cable diameter	6 mm
Cores	6 x 0.20 mm²



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

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