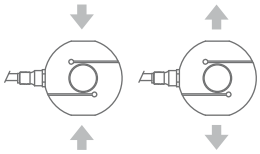
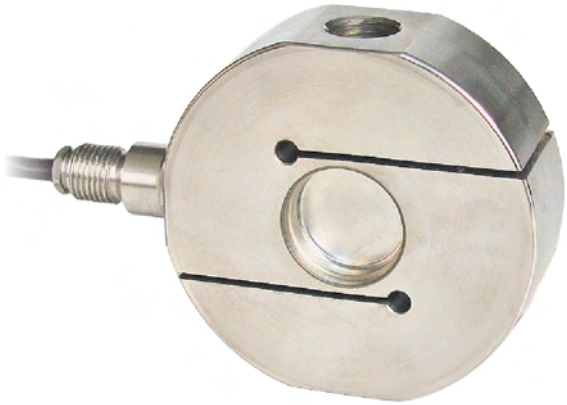
CTL

TENSION (COMPRESSION) LOAD CELLS

LAUMAS® ELETTRONICA



Capacity from 100 kg to 12500 kg



- 17-4 PH STAINLESS STEEL
- COMBINED ERROR ≤ ±0.02%
- PROTECTION CLASS IP68

CAPACITY kg	ACCURACY CLASS (OIML)	IECEx / Ex	EAC	NET WEIGHT OF LOAD CELL (kg)	CODE
100	–	•	•	0.7	CTL100
200	–	•	•	0.7	CTL200
300	–	•	•	0.7	CTL300
500	C3	•	•	1.4	CTL500
1000	C3	•	•	1.4	CTL1000
2500	C3	•	•	1.4	CTL2500
5000	C3	•	•	2.6	CTL5000
7500	C3	•	•	2.7	CTL7500
10000	C3	•	•	3.7	CTL10000
12500	C3	•	•	4.8	CTL12500
		ON REQUEST			

CERTIFICATIONS

OIML R60 C3 *(see capacities table)*

CERTIFICATIONS ON REQUEST

	Declaration of conformity + IP69K marking protection rating *Water protection when cleaning high pressure / steam jet (Test: pressurized hot water is sprayed from a distance of 150 mm). Water pressure 100 bar; temperature 80 ° C; test duration 250 seconds (Reference standard DIN 40050-9).*
	Calibration report (ACCREDIA LAT traceability)
	ATEX II 1GD *(zone 0-1-2-20-21-22)*
	IECEx II 1GD *(zone 0-1-2-20-21-22)*
EAC	Complies with the Eurasian Custom Union regulations (Russia, Belarus, Kazakhstan)

OPTIONS ON REQUEST

DESCRIPTION
Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems

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CTL
TENSION (COMPRESSION) LOAD CELLS

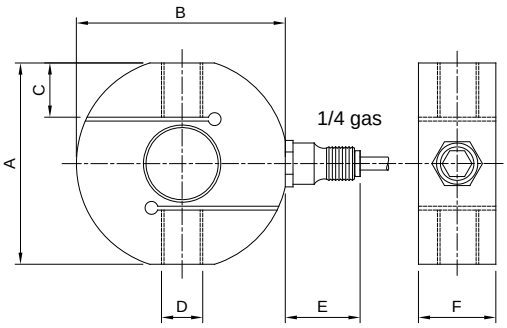
LAUMAS® ELETTRONICA

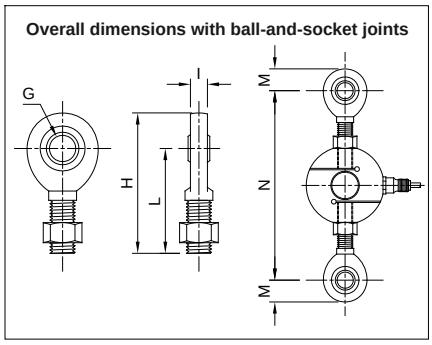
COMPLEMENTARY ACCESSORIES

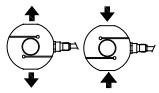


DESCRIPTION		CODE
Special steel ball-and-socket joint with nut		
Dimensions:	Load cell capacity:	
M12x1.75	100-300 kg	EM12DADO
M16x2	500-1000 kg	EM16DADO
M20x1.5	2500 kg	EM20DADO
M24x2	5000-7500 kg	EM25DADO
M30x2	10000 kg	EM30DADO
M36x3	12500 kg	EM35DADO

DIMENSIONS (mm)







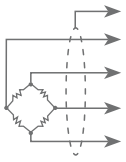
	100 kg 200 kg 300 kg	500 kg 1000 kg	2500 kg	5000 kg 7500 kg	10000 kg	12500 kg
A	59.5	78	78	90	103	120
B	63.5	82	82	102	114	129
C	14.5	21	21	24	30.5	37
D	M12x1.75	M16x2	M20x1.5	M24x2	M30x2	M36x3
E	29	29	29	29	29	29
F	22	30	30	45	50	55
G	Ø12	Ø17	Ø20	Ø25	Ø30	Ø35
H	72	93	105	127	146.5	181
I	10	14	16	20	22	25
L	55	70	80	95	110	140
M	17	23	25	32	36.5	41
N	150	185	200	235	260	324

TECHNICAL FEATURES

Material		17-4 PH stainless steel	
OIML R60 Accuracy class • Verification intervals		–	C3 • 3000
Nominal load (E max)		100 - 200 - 300 kg	500 - 1000 - 2500 - 5000 kg 7500 - 10000 - 12500 kg
Minimum verification interval (V min)		E max / 10000	
Combined error		≤ ±0.02%	
Protection class		IP68	
Rated output	2 mV/V ±0.1%	Input resistance	350 Ω ±5
Temperature effect on zero	0.005% °C	Output resistance	350 Ω ±2
Temperature effect on span	0.003% °C	Zero balance	±1%
Compensated temperature range	-10 °C / +50 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-20 °C / +70 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.05%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	15 V	Deflection at nominal load	0.3 mm

ELECTRICAL CONNECTIONS

Cable lenght	10 m
Cable diameter	5 mm
Cores	4/6 x 0.25 mm²



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

■ where provided

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