



Capacity from 100 kg to 12500 kg

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



CAPACITY	kg	ACCURACY CLASS C3					NET WEIGHT (kg)	CODE
100	100	—	—	•	•	•	0.7	CTL100
200	200	—	—	•	•	•	0.7	CTL200
300	300	—	—	•	•	•	0.7	CTL300
500	500	•	•	•	•	•	1.4	CTL500
1000	1000	•	•	•	•	•	1.4	CTL1000
2500	2500	•	•	•	•	•	1.4	CTL2500
5000	5000	•	•	•	•	•	2.6	CTL5000
7500	7500	•	•	•	•	•	2.7	CTL7500
10000	10000	•	•	•	•	•	3.7	CTL10000
12500	12500	•	•	•	•	•	4.8	CTL12500

ON REQUEST

CERTIFICATIONS



OIML R60 C3



Complies with the Eurasian Custom Union standards

CERTIFICATIONS ON REQUEST



Declaration of conformity + IP69K marking protection rating
Water protection in case of high-pressure or steam jet cleaning (test: pressurized water is sprayed from a distance of max 150 mm)
Water pressure: 100 bar; temperature: 80 °C; test duration: 250 seconds (reference standard: DIN 40050-9)



Accredia traceable calibration report



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



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



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



In compliance with the regulations of the Russian Federation for legal use with third parties

OPTIONS ON REQUEST

DESCRIPTION

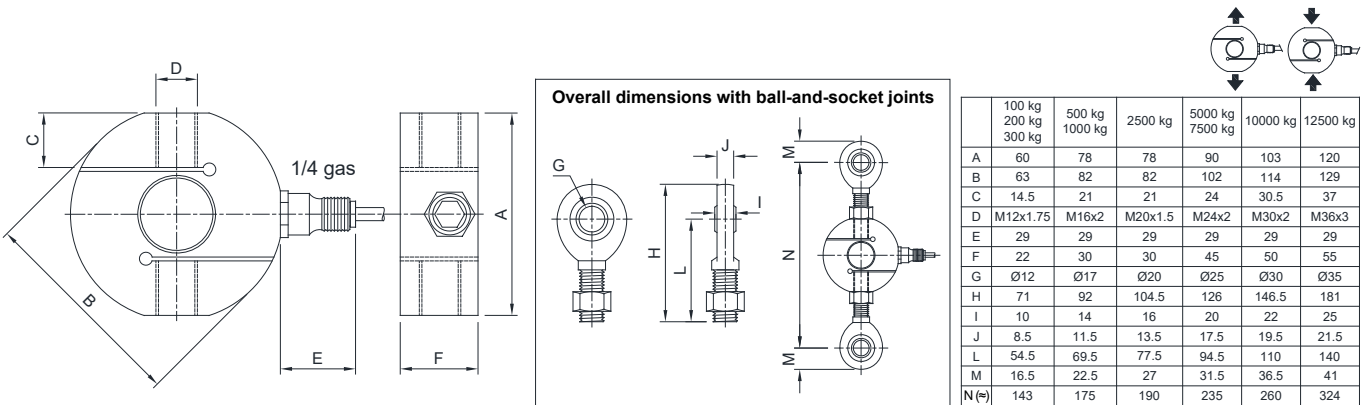


Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.

COMPLEMENTARY ACCESSORIES

	DESCRIPTION	CODE		
		Dimensions:	Load cell capacity:	
	Special steel ball-and-socket joint with nut.	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

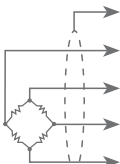
DIMENSIONS (mm)



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 length	10 m		SHIELD	
Cable diameter	5 mm		+ SIGNAL	GREEN
Cores	6 x 0.14 mm²		+ EXCITATION + REF./SENSE	RED BLUE
			- SIGNAL	WHITE
			- EXCITATION - REF./SENSE	BLACK YELLOW

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