General information

PWS920261107

The CS20 S-type (tension and compression) load cell has been designed for the industrial fiscal weighing of small tanks and hoppers, it has excellent characteristics of linearity and precision and an excellent resistance to overloads of more than 300%. The CS20 cell is made of nickel-plated steel, it is weather-proof for use in severe environmental conditions and it is available in a special version for high temperature.



Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

Weight Transmitter DAT 1400

Weight Indicator MCT 1302

Tester 1008 TESTER 1008

Junction Box CGS4-C

Universal load cell CS30

S-Type load cell TRZ

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

Technical specifications

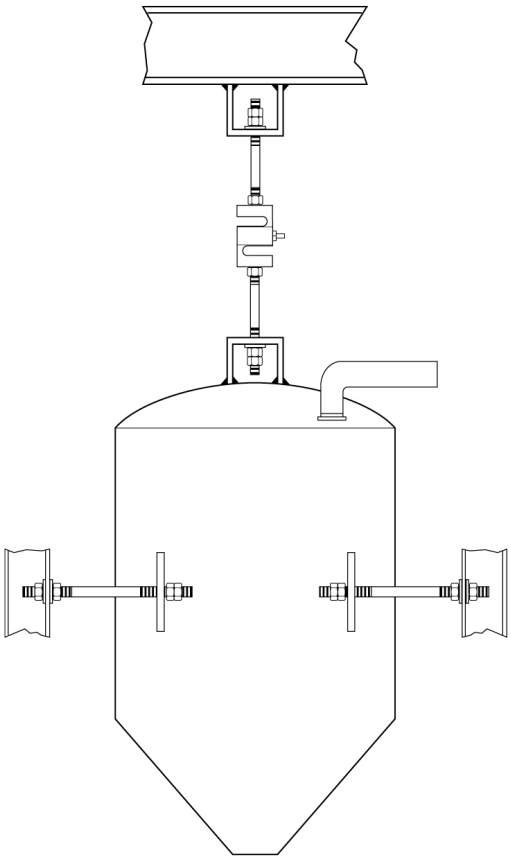
PWS920261107

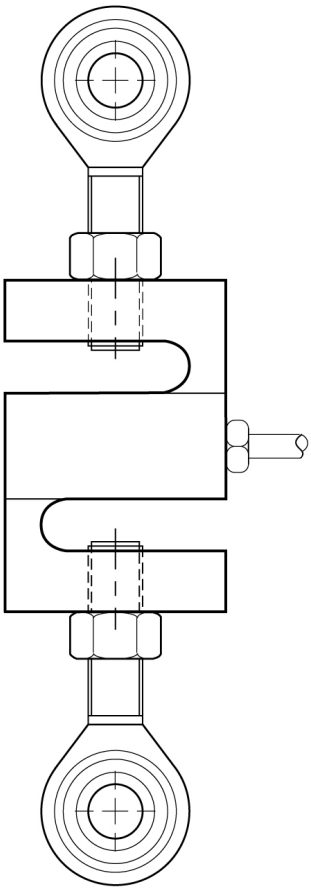
Rated load (RL):	25, 50, 100, 150, 200, 250, 300, 500, 600, 750, 1000, 1500, 2000, 2500, 3000, 5000, 7500, 10000, 15000, 20000, 30000 Kg
Combined error:	< ±0.02 % RL
Repeatability:	< ±0.01 % RL
Creep (30 minutes):	±0.02 % RL
Safe overload:	150 % RL
Ultimate overload:	300 % RL
Material:	Nickel steel
Degree of protection:	IP67
Accuracy class:	3000 OIML (100 ÷ 2500 kg)
Deflection:	0.2 ÷ 0.4 mm
Compensated Temperature:	-10 ÷ +40 °C
Temperature range:	-35 ÷ +65 °C
Temperature effect on zero balance:	< ±0.01 % RL/5°K
Temperature effect on output:	< ±0.006 % RL/5°K
Rated output RO:	3 mV/V ±0.004 %
Zero balance:	< ±1.5 % RL
Insulation resistance:	> 5000 MOhm
Input resistance:	350 ±3.5 Ohm
Output resistance:	351 ±2.0 Ohm
Recommended input:	5 ÷ 12 Vdc/ac
ATEX certified version:	II1G Ex ia II1C T4; II1D Ex iaD20T73°C; II3G nL ia II C T4

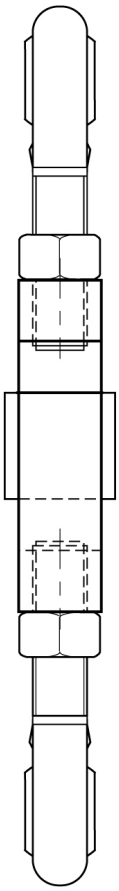
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Universal load cell **CS20**

available with certification • ATEX • OIML







Electrical connection	
+Excitation	Red
-Excitation	Black
+Signal	Green
-Signal	White
Shield	Cable shield

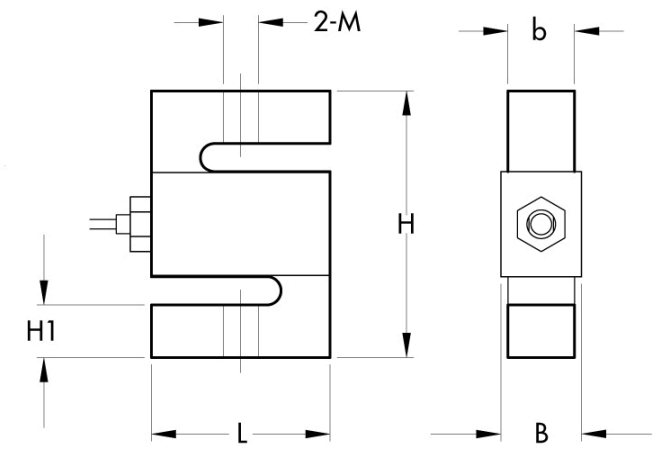
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Industrial Electronic Weighing Systems since 1963

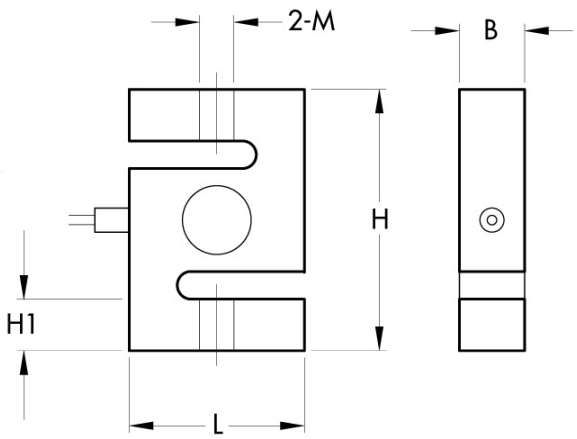
Universal load cell **CS20**

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25 Kg ÷ 5 t



7.5 ÷ 30 t



MODEL	L	H	b	B	M	H1
25-50 kg	50.8	76.2	12.7	14.5	M8	15.7
100-150 kg	50.8	76.2	19.0	20.8	M10x1.5	15.3
200-750 kg	50.8	76.2	19.0	20.8	M12x1.75	13.6
1-1.5 t	50.8	76.2	25.4	27.2	M12x1.75	12.1
2-5 t	76.2	101.6	25.4	27.2	M20x1.5	20.0
7.5-10 t	125	175	/	50	M33x3	40.2
15-20 t	160	200	/	60	M42x3	51.0
30 t	190	230	/	80	M42x3	57.5

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