Off Center load cell **C2G1**

available with certification • OIML

General information

PWS4120261107

The Off Center C2G1 load cell is capable of weighing while maintaining high precision and maximum reliability even with off-center loads and is particularly suitable for the construction of industrial and bench electronic scales, piece counters and packaging machines. The maximum dimensions of the applicable work plan are 300x300 mm. The off center cell C2G1 is equipped with a 4-conductor shielded cable.



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 UWT 6008

Weight Transmitter DAT 1400

Weight Indicator MCT 1302

Tester 1008 TESTER 1008

Off Center load cell CB004

Junction Box CGS4-C

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

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Industrial Electronic Weighing Systems since 1963

Technical specifications

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Rated load (RL):	6, 10, 12, 15, 20, 25, 30, 35, 50, 60, 100 Kg
Repeatability:	< ±0.02 % RO
Creep (20 minutes):	< ±0.02 % RO
Full scale non-Linearity:	±0,015
Safe overload:	150 % RL
Ultimate overload:	200 % RL
Material:	Alluminum alloy
Degree of protection:	IP64
Accuracy class:	3000 OIML (6000 OIML optional)
Deflection:	0.17 ÷ 0.62 mm
Compensated Temperature:	-10 ÷ +50 °C
Temperature range:	-10 ÷ +50 °C
Temperature effect on zero balance:	±0.004 % RO/°C
Temperature effect on output:	±0.0012 % of load/°C
Rated output RO:	2.0 ±0.2 mV/V
Zero balance:	< ±0.1 mV/V
Insulation resistance:	>2000 MOhm
Input resistance:	400 ÷ 450 Ohm
Output resistance:	345 ÷ 355 Ohm
Recommended input:	5 ÷ 12 Vdc/Vac

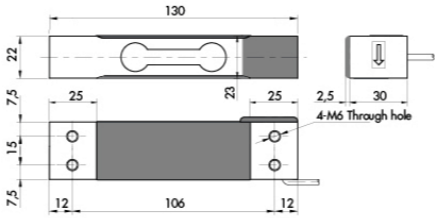
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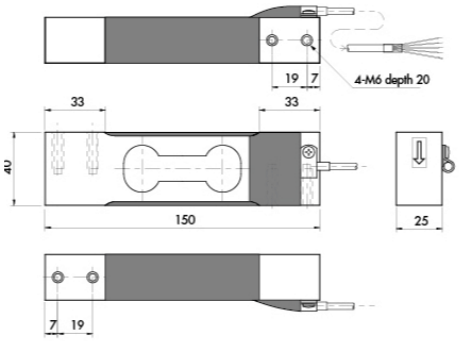
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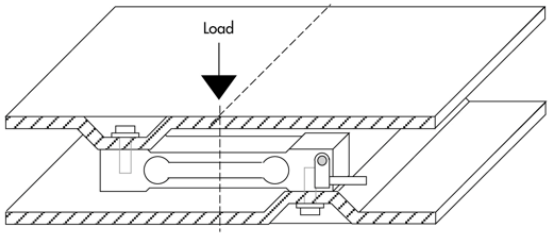
Capacity 6 ÷ 50 Kg



Capacity 60 ÷ 100 Kg



Mounting Example



TO KNOW ¬

Error is within 0.02% of Rated Output applied with 1/2 of capacity at the position of 75mm of eccentricity. The center of loading plate and the center of the load cell should be the same position.

Electrical Connection

+ Excitation	=	*RED*	+ Signal	=	*GREEN*	Shield	= *CABLE SHIELD*
- Excitation	=	*WHITE*	- Signal	=	*BLUE*		

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