High Temperature load cell **C2G1 HT**

available with certification • EAC • OIML

General information

PWS12820220127

The C2G1 HT load cell is suitable for high temperatures and it is particularly suitable for the construction of industrial and bench scales, piece counters and packaging machines. The C2G1 HT cell also measures correctly with off-center loads while maintaining high accuracy and reliability.

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

High Temperature load cell CMH HT

High Temperature load cell PRR HT

High Temperature load cell PSPRX HT

High Temperature load cell SB HT

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

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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 % RO
Safe overload:	150 % RL
Ultimate overload:	200 % RL
Material:	Stainless steel
Degree of protection:	IP64
Accuracy class:	3000 OIML - 6000 OIML
Deflection:	0.17 ÷ 0.62 mm
Compensated Temperature:	-10 ÷ +120 °C
Temperature range:	-10 ÷ +150 °C
Temperature effect on zero balance:	±0.004 % RO/°C
Temperature effect on output:	±0.0012 % load/°C
Rated output RO:	2 mV/V ±0.2
Zero balance:	< ±0.1 mV/V
Insulation resistance:	> 2000 MOhm
Input resistance:	420 ± +30/-20 Ohm
Output resistance:	350 ±5 Ohm
Recommended input:	5 ÷ 12 Vdc/ac

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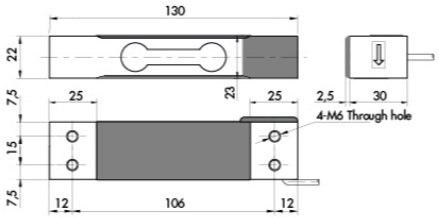
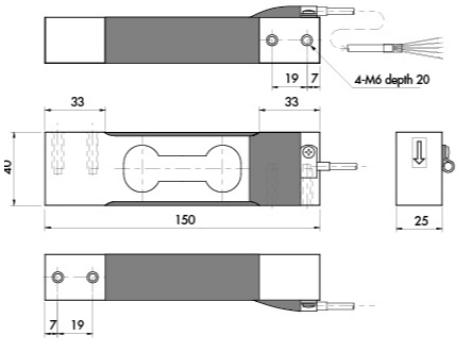
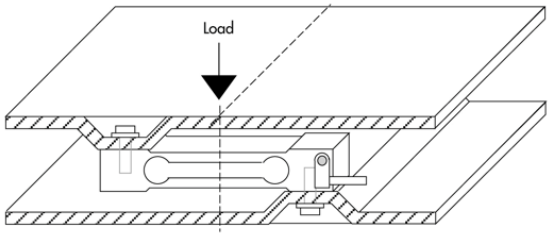
Capacity 6 ÷ 50 Kg



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*	+ Sense	= *BLUE*
- Excitation	= *BLACK*	- Signal	= *WHITE*	- Sense	= *BROWN*

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