

## General information

PWS4220260428

The off center load cell CB004 guarantees high precision at a competitive price and is particularly suitable for the construction of industrial and bench electronic scales, piece counters and packaging machines. The CB004 cell can be customized according to the customer's needs, for example the capacity ranges from 10 kg to 100 kg and the maximum size of the dish reaches up to 400 x 400 mm. The CB004 cell has a 4 meters shielded 4-conductor 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** [C2Z1](#)

**Junction Box** [CGS4-C](#)

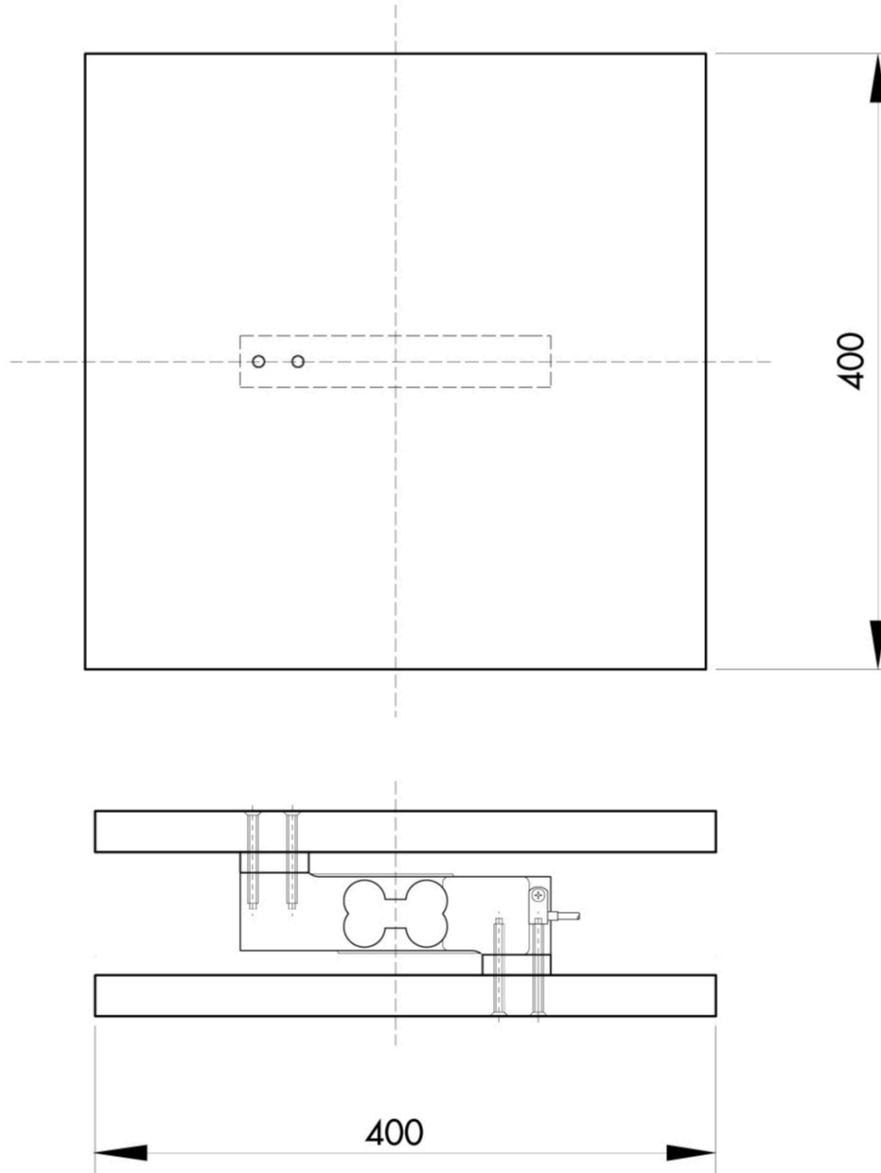
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

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<b>Rated load (RL):</b>	10, 15, 20, 25, 30, 35, 45, 60, 100 Kg
<b>Repeatability:</b>	< ±0.015 % RO
<b>Creep (20 minutes):</b>	±0,02 % RO
<b>Full scale non-Linearity:</b>	< ±0.0125 % RO
<b>Safe overload:</b>	150 % RL
<b>Ultimate overload:</b>	200 % RL
<b>Material:</b>	Alluminum alloy
<b>Degree of protection:</b>	IP64
<b>Accuracy class:</b>	4000 / 6000 OIML
<b>Compensated Temperature:</b>	-10 ÷ +50 °C
<b>Temperature range:</b>	-10 ÷ +50 °C
<b>Temperature effect on zero balance:</b>	< ±0.004 % RO/°C
<b>Temperature effect on output:</b>	< ±0.0012 % load/°C
<b>Rated output RO:</b>	2.0 ±0.2 mV/V
<b>Zero balance:</b>	< ±0.1% of R.O.
<b>Insulation resistance:</b>	> 2000 MOhm
<b>Input resistance:</b>	375 ÷ 425 Ohm
<b>Output resistance:</b>	345 ÷ 355 Ohm
<b>Recommended input:</b>	5 ÷ 12 Vdc/Vac
<b>Maximum supply voltage:</b>	20 Vdc/ac

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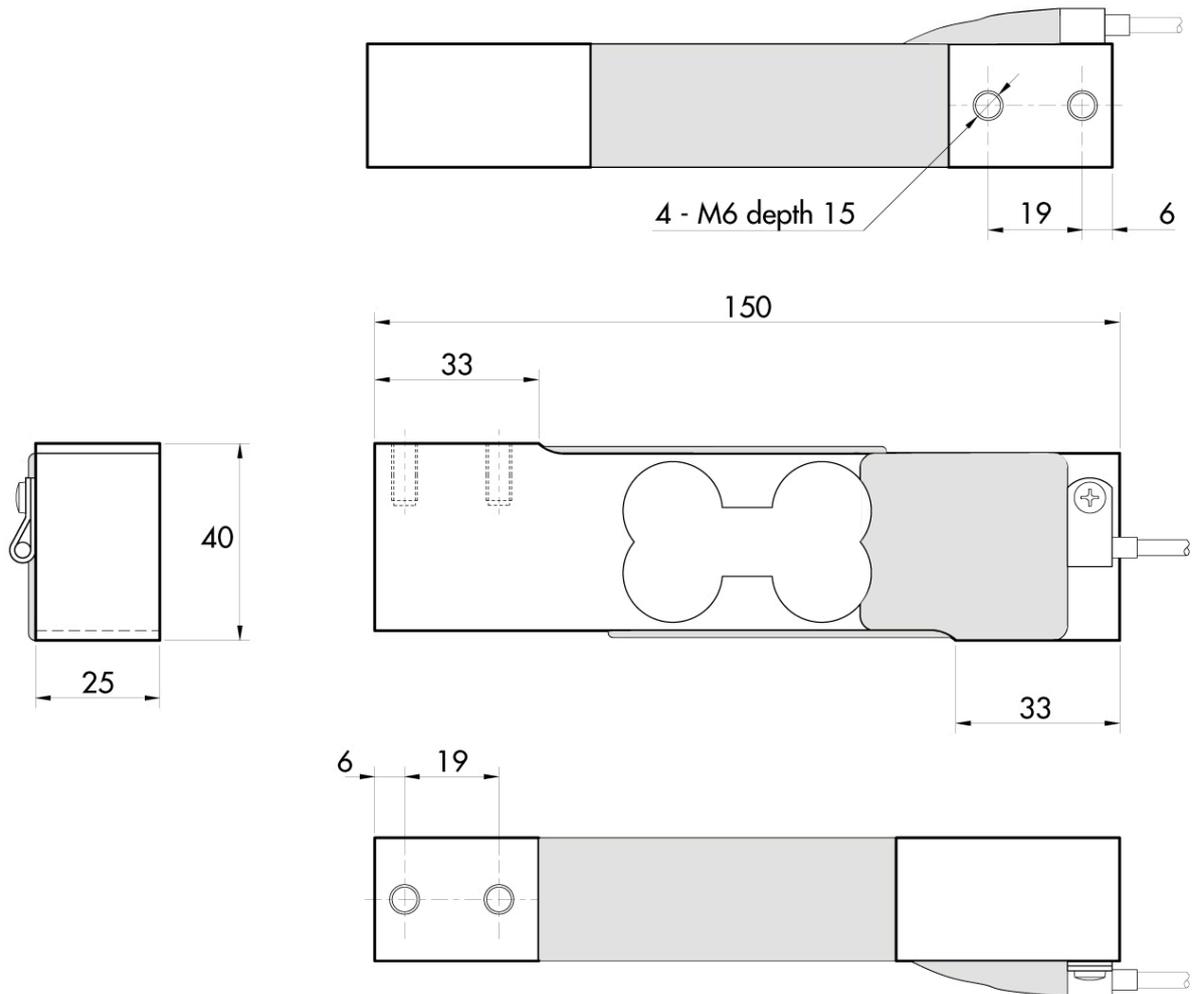

**Electrical Connection**

+Excitation	Red
-Excitation	White
+Signal	Green
-Signal	Blue
Shield	Cable shield

**To Know**

Error is within 0.01% SN applied with 1/2 of capacity at the position of 100mm of eccentricity  
 The center of loading plate and the center of the load cell should be the same position

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