

## General information

PWS4520251216

The off center load cell U2D1 is insensitive to off-weight weights and is particularly suitable for the construction of industrial and bench electronic scales, piece counters and packaging machines. The single point cell U2D1 guarantees high precision and maximum long-term reliability. The cell U2D1 has a 4-core shielded cable that is 30 cm long and flat with a maximum size of 400 x 600 mm.



## 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](#)

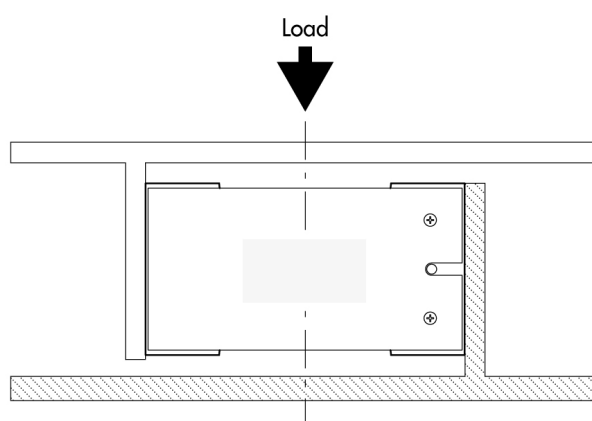
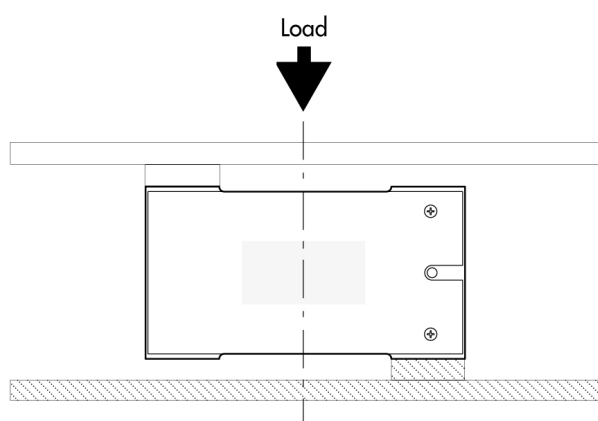
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

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<b>Rated load (RL):</b>	3, 6, 10, 15, 20, 25, 50, 100 Kg
<b>Repeatability:</b>	±0.02 % RO
<b>Creep (20 minutes):</b>	±0.02 % RO
<b>Full scale non-Linearity:</b>	< ±0.0125 % RO
<b>Safe overload:</b>	200 % RL
<b>Ultimate overload:</b>	300 % RL
<b>Material:</b>	Aluminum alloy
<b>Degree of protection:</b>	IP40
<b>Deflection:</b>	0.38 ÷ 0.56 mm
<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 mV/V ±0.2
<b>Zero balance:</b>	< ±0.1 mV/V
<b>Insulation resistance:</b>	> 2000 MOhm
<b>Input resistance:</b>	400 ÷ 450 Ohm
<b>Output resistance:</b>	345 ÷ 355 Ohm
<b>Recommended input:</b>	5 ÷ 12 Vdc/ac

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## Electrical Connection

+Excitation	Red
-Excitation	White
+Signal	Green
-Signal	Blue

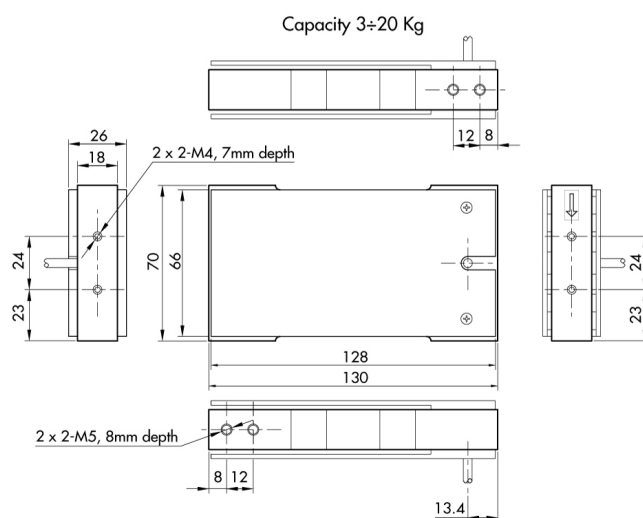
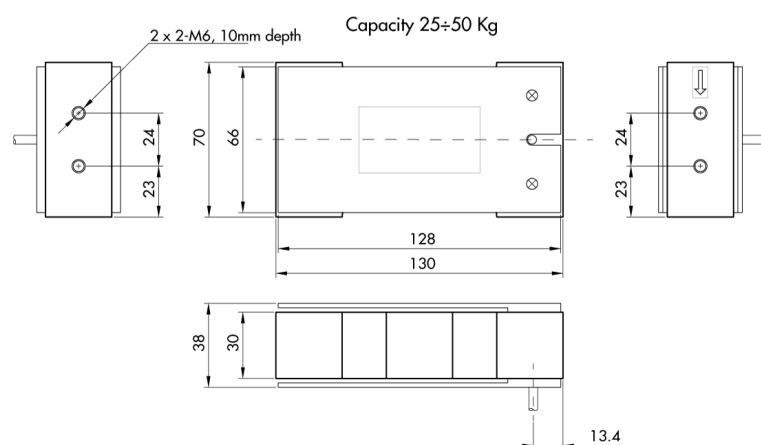
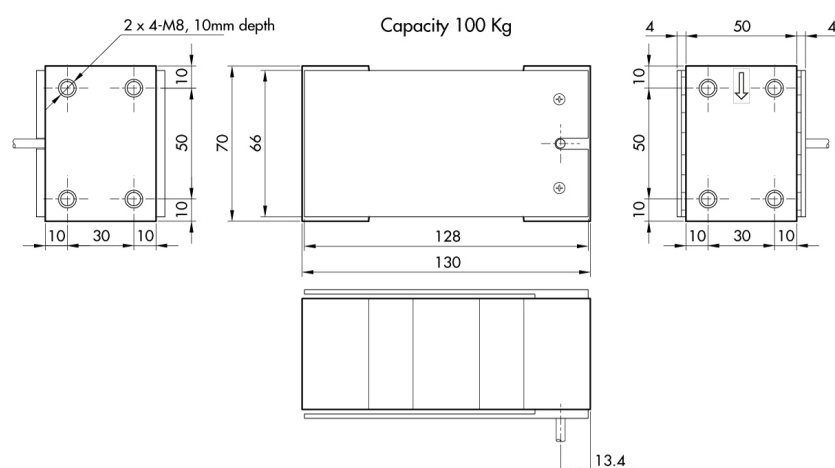
## To Know

Error is within 0.02% SN applied with 1/2 of capacity at the position of 150mm of eccentricity  
The center of loading plate and the center of the load cell should be the same position

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# Off Center load cell U2D1

available with certification • EAC • OIML



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