

## General information

PWS34520220617

The Model 1252 is a high capacity single-point load cell fully interchangeable with the Model 1250, designed for direct mounting of the weighing platform or side cell applications. Resulting from simpler scale construction, the Model 1252 is a cost-effective load cell for use in counting, weighing, bench or floor scale productions. A special humidity-resistant protective coating assures long-term stability over the entire compensated temperature range. This load cell has Factory Mutual approval and IP66 protection. The two additional sense wires feed back the voltage reaching the load cell. Complete compensation of change in the lead wires resistance, due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics



## 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](#)

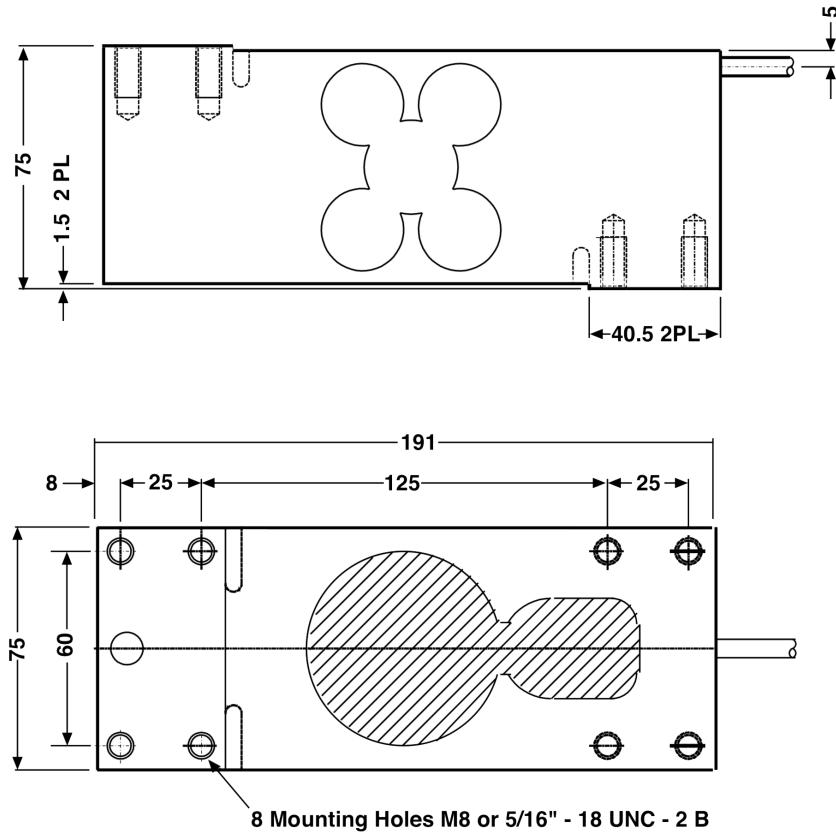
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

PWS34520220617

<b>Rated Load (RL):</b>	75, 100, 150, 200, 300, 500, 635 kg
<b>Ultimate overload:</b>	300 % RL
<b>Material:</b>	Plated (anodized) aluminium
<b>Degree of protection:</b>	IP65
<b>Accuracy class:</b>	C3
<b>Compensated Temperature:</b>	-10 ÷ +40°C
<b>Temperature range:</b>	-30 ÷ +70°C
<b>Temperature effect on zero balance:</b>	±0.010 % (Non Approved); ±0.004 % (C3) RO/°C
<b>Temperature effect on output:</b>	±0.0030 % (Non Approved); ±0.0010 % (C3) RO/°C
<b>Rated output RO:</b>	2 mV/V
<b>Zero balance:</b>	±0.20 mV/V
<b>Insulation resistance:</b>	> 2000 MOhm
<b>Input impedance:</b>	415±15 Ohm
<b>Maximum input voltage:</b>	15 Vdc or Vac rms
<b>Nominal input voltage:</b>	10 Vdc or Vac rms
<b>Cable Length:</b>	3 m
<b>Load plan:</b>	600x600
<b>Output impedance:</b>	350±3 Ohm

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


**Wiring Schematic Diagram**
**BALANCED BRIDGE TEMPERATURE COMPENSATION**

+VE INPUT	Green
+VE SENSE	Blue
+VE OUTPUT	Red
-INPUT	Black
-VE SENSE	Brown
-OUTPUT	White

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