

## General information

PWS33120260508

Model 380 is a very low profile planar beam design, allowing direct mounting in low profile platform scales. The range of capacities and low profile make Model 380 most suitable for use in a wide range of applications.



## 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](#)

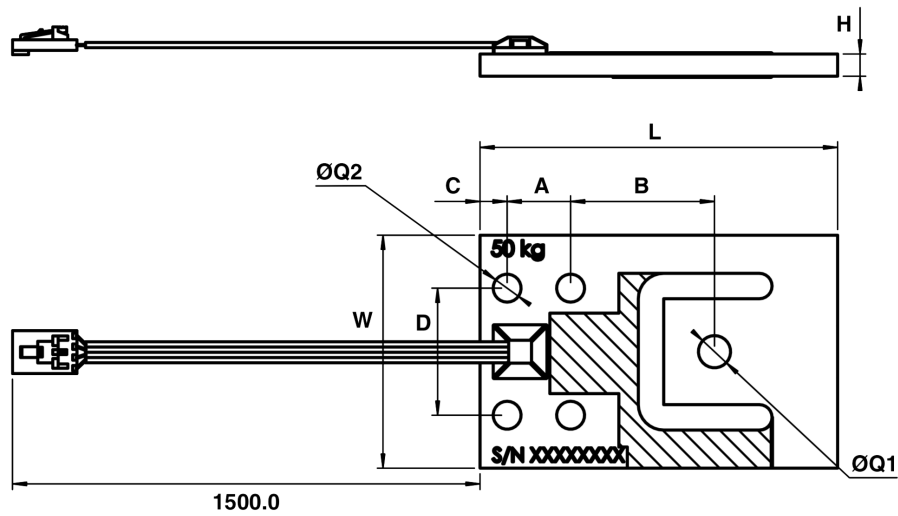
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

PWS33120260508

|  |   |
|--|---|
| <b>Rated Load (RL):</b>                    | 7.5, 37.5, 50, 75, 150, 250 kg                      |
| <b>Creep (30 minutes):</b>                 | ±0.074 % (NA); ±0.024 % (C3); ±0.018 % (C4) RO      |
| <b>Ultimate overload:</b>                  | 400 % RL  |
| <b>Material:</b>                           | Aluminum, RTV potting                               |
| <b>Degree of protection:</b>               | IP65  |
| <b>Accuracy class:</b>                     | C3; C4  |
| <b>Compensated Temperature:</b>            | -10 ÷ +40°C   |
| <b>Temperature range:</b>                  | -30 ÷ +70°C   |
| <b>Temperature effect on zero balance:</b> | ±0.007 % (NA); ±0.00186 % (C3 & C4) RO/°C           |
| <b>Temperature effect on output:</b>       | ±0.002 % (NA); ±0.001 % (C3); ±0.00075 % (C4) RO/°C |
| <b>Rated output RO:</b>                    | 1 mV/V  |
| <b>Zero balance:</b>                       | ±0.10 mV/V  |
| <b>Insulation resistance:</b>              | > 5000 MOhm   |
| <b>Input impedance:</b>                    | 1160±15 Ohm   |
| <b>Cable Length:</b>                       | 1.5m  |
| <b>Output impedance:</b>                   | 1000±10 Ohm   |

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**Wiring Schematic Diagram**

|            |       |
|------------|-------|
| +VE INPUT  | Green |
| +VE OUTPUT | Red   |
| -VE INPUT  | Black |
| -VE OUTPUT | White |

The load cell is provided with a 4 conductor ribbon cable and with optional AMP#103957-4 connector

| Type       | L     | A    | B    | C   | D    | W    | H    | Q1      | Q2  |
|------------|-------|------|------|-----|------|------|------|---------|-----|
| PB-7.5 kg  | 70    | 14   | 28   | 4.9 | 27.8 | 39   | 2.5  | 5.1     | 5.1 |
| PB-15 kg   | 70    | 14   | 28   | 4.9 | 27.8 | 39   | 4.1  | 6.2     | 5.1 |
| PB-37.5 kg | 76.2  | 15   | 29.3 | 6   | 30   | 44.5 | 4.8  | 6.2     | 6.6 |
| PB-50 kg   | 84.5  | 15   | 34   | 6.4 | 30   | 55   | 5.3  | 7.6     | 6.6 |
| PB-75 kg   | 84.5  | 15   | 34   | 6.4 | 30   | 55   | 6.4  | 7.6     | 6.6 |
| PB-150 kg  | 107.5 | 22.8 | 45.9 | 7.8 | 44.5 | 70   | 8    | 5/16UNC | 8.1 |
| PB-200 kg  | 107.3 | 22.9 | 45.8 | 7.9 | 44.5 | 70   | 10.0 | 9.1     | 8.1 |

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