

## General information

PWS3720241015

The PS57 double beam load cell is particularly suitable for weighing tanks and silos and guarantees high linearity and low mechanical profile. There are different versions of the PS57 double shear beam cell: in steel alloy, in stainless steel, with hermetic seal and completely welded. The PS57 cell has a 6 m shielded cable with a length of 20 m.



## 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](#)

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

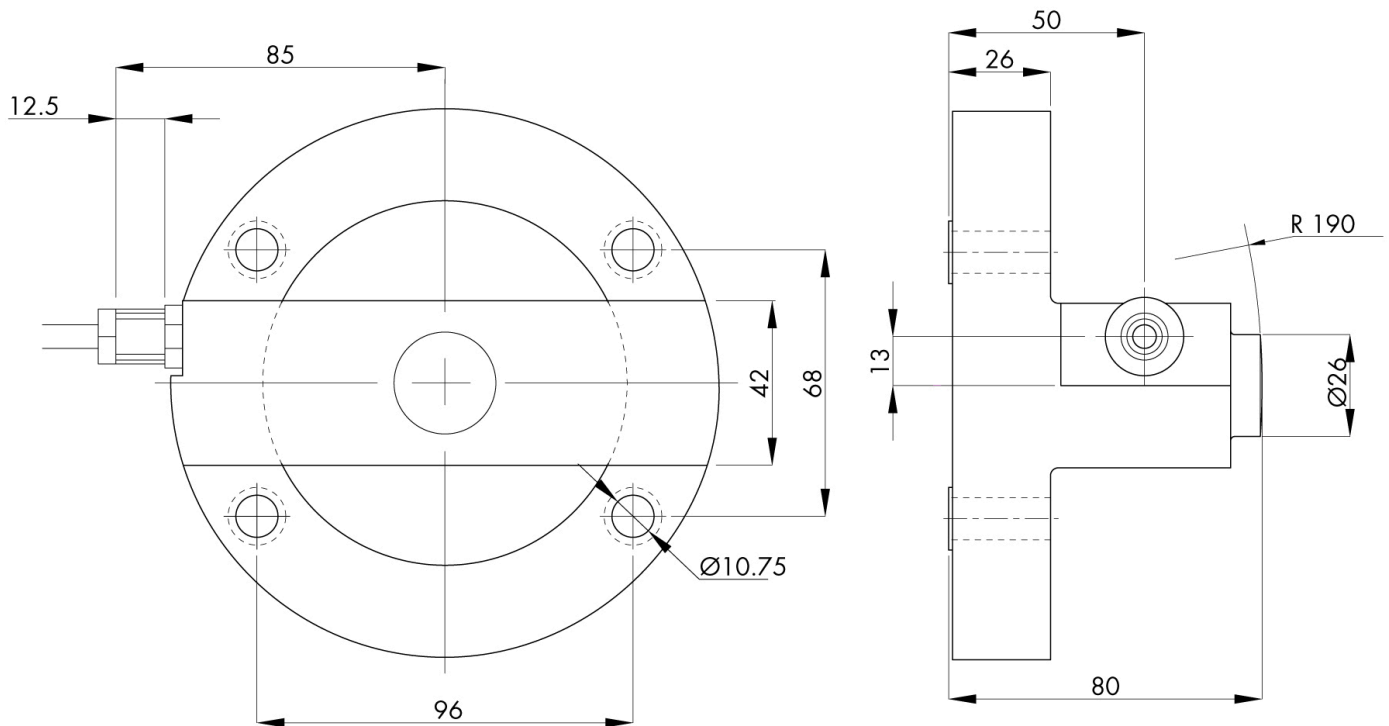
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

PWS3720241015

|  |   |
|--|---|
| <b>Rated Load (RL):</b>                    | 7.5, 10, 15, 20, 25, 30 t                       |
| <b>Combined error:</b>                     | < $\pm 0.017$ % RO                              |
| <b>Repeatability:</b>                      | < $\pm 0.015$ % RO                              |
| <b>Creep (20 minutes):</b>                 | $\pm 0.016$ % RO                                |
| <b>Safe overload:</b>                      | 150 % RL  |
| <b>Ultimate overload:</b>                  | 200 % RL  |
| <b>Safe sideload:</b>                      | 100 % RL  |
| <b>Material:</b>                           | Stainless steel or steel alloy with epoxy paint |
| <b>Degree of protection:</b>               | IP68  |
| <b>Accuracy class:</b>                     | 3000 OIML                                       |
| <b>Deflection:</b>                         | 0.3 mm  |
| <b>Compensated Temperature:</b>            | -10 ÷ +40°C                                     |
| <b>Temperature range:</b>                  | -20 ÷ +70°C                                     |
| <b>Temperature effect on zero balance:</b> | < $\pm 0.01$ % RO/5°C                           |
| <b>Temperature effect on output:</b>       | < $\pm 0.006$ % RO/5°C                          |
| <b>Rated output RO:</b>                    | 2 mV/V $\pm$ 0.1%                               |
| <b>Zero balance:</b>                       | < $\pm 2$ % of R.O.                             |
| <b>Insulation resistance:</b>              | > 5000 M Ohm                                    |
| <b>Input resistance:</b>                   | 800 $\pm$ 25 Ohm                                |
| <b>Output resistance:</b>                  | 700 $\pm$ 5 Ohm                                 |
| <b>Recommended input:</b>                  | 5 ÷ 15 Vdc/Vac                                  |

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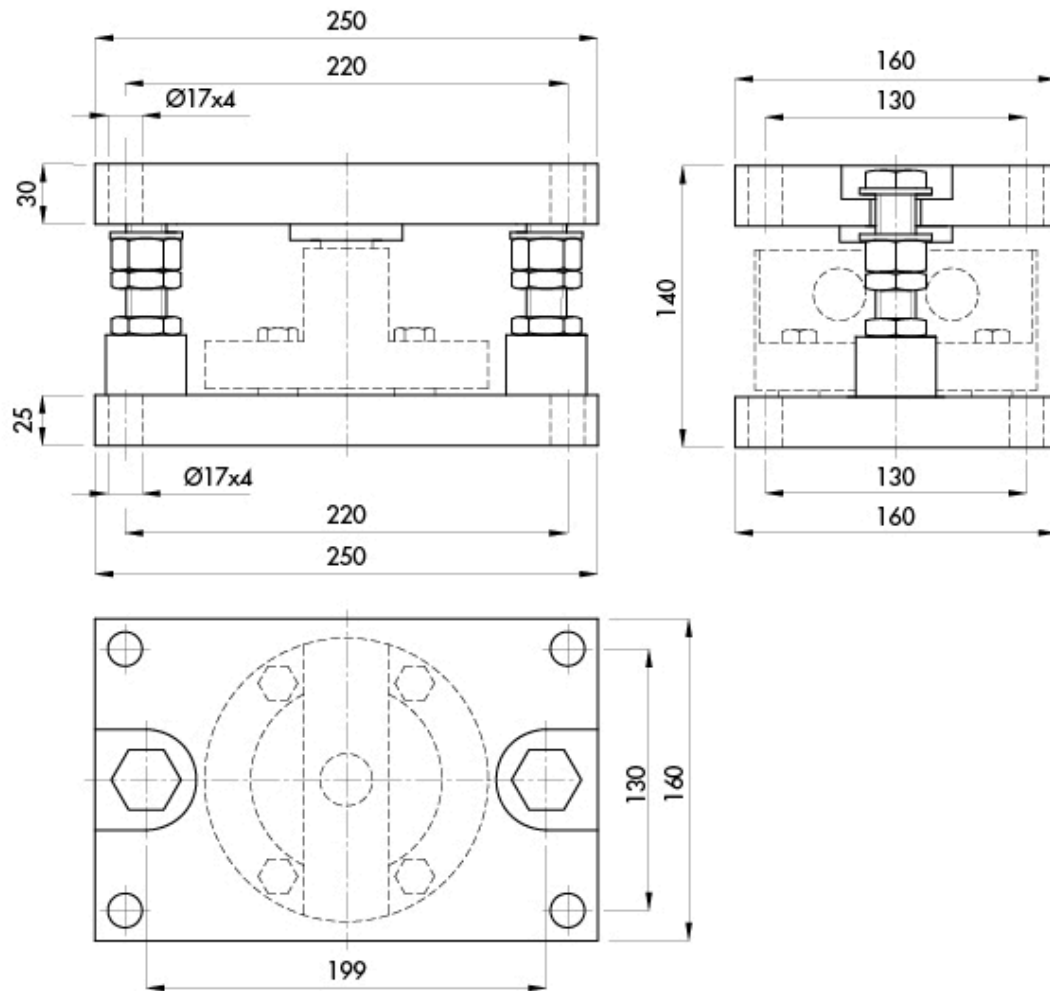

**Electrical Connection**

|             |              |
|-------------|--------------|
| +Excitation | Red          |
| -Excitation | Black        |
| +Sense      | Blue         |
| -Sense      | Yellow       |
| +Signal     | Green        |
| -Signal     | White        |
| Shield      | Cable shield |

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**Double Shear Beam Load Cell PS57**

available with certification • EAC • ATEX • OIML



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