

## General information

PVS30020200812

The weight transmitter DAT 200 Ethercat has high performance and long-term reliability. The configuration and calibration can be set up directly from the front panel. The small width dimensions allow to place a large number of transmitters inside the electrical automation panels. The weight transmitter DAT 200 Ethercat has an interface with intrinsically safe barriers for use in hazardous areas. The weight transmitter DAT 200 Ethercat can be customized according to customer needs.



Technical Manual: [dat\\_200\\_ethercat\\_technical\\_manual\\_en.pdf](#)

Ethercat ECS file: [dat\\_200\\_ethercat\\_ecs.zip](#)

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

## Technical specifications

PVS30020200812

|   |   |
|---|---|
| <b>Measuring range:</b>                   | -4 ÷ +4 mV/V  |
| <b>Input sensitivity:</b>                 | 0.02 µV/count   |
| <b>Full scale non-Linearity:</b>          | < 0.01%   |
| <b>Gain drift:</b>                        | < 0.001% FS/°C  |
| <b>Display:</b>                           | 5 digit, red LED (7 segments), h 7 mm                               |
| <b>A/D Converter:</b>                     | 24 bit  |
| <b>Internal Resolution:</b>               | 16.000.000 counts   |
| <b>Transducer input voltage:</b>          | 4 V (max 4 cells 350 Ohm)   |
| <b>Visible resolution (in divisions):</b> | 999999  |
| <b>Divisions value (adjustable):</b>      | 0.001÷50 adjustable   |
| <b>Temperature range:</b>                 | -10 ÷ +50°C (max umidity 85% without condensation)                  |
| <b>Storage temperature:</b>               | -20 ÷ +60°C   |
| <b>Filter:</b>                            | 0.02 ÷ 25 Hz  |
| <b>Serial port:</b>                       | RS232C half duplex with ASCII protocol                              |
| <b>Power supply:</b>                      | 24 Vcc ±10% – power 2 W   |
| <b>Regulatory compliance:</b>             | EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for electrical security |
| <b>Fieldbus:</b>                          | Ethercat  |
| <b>Baud rate:</b>                         | 2400 ÷ 115200 adjustable  |
| <b>Transmission distance:</b>             | 15 m  |

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