

## General information

PWS20620240318

The DAT 400 Profibus DP weight transmitter is sold exclusively by Pavone Systems and it guarantees high performance and reliability. DAT 400 Profibus DP can be bought in combination with Tester 1008, which facilitates the upload and download functions for the programming. Configuration and calibration can be set up from the front panel or from a PC. The weight transmitter DAT 400 Profibus DP can be customized according to customer's needs. It has a peak hold function for dynamic measures and screw terminal blocks.



Software Innovation 2: [innovation\\_2\\_weighing\\_software.zip](#)

Profibus GSD file: [dat\\_400\\_500\\_profibus\\_gsd.zip](#)

Technical Manual: [dat-400\\_en.pdf](#)

Technical Manual: [dat-400\\_fieldbus\\_en.pdf](#)

Profibus GSD file (HMS): [profibus\\_hms\\_gsd.zip](#)

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

## Technical specifications

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|   |  |
|---|--|
| <b>Measuring range:</b>                   | -0.5 ÷ +3.5 mV/V (-3.9 ÷ +3.9 mV/V optional)                           |
| <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>                           | 6 digit, red LED (7 segments), h 14 mm                                 |
| <b>A/D Converter:</b>                     | 24 bit   |
| <b>Internal Resolution:</b>               | > 16.000.000 points  |
| <b>Transducer input voltage:</b>          | 5 V (max 6 load cells 350 Ohm)   |
| <b>Visible resolution (in divisions):</b> | 60000  |
| <b>Divisions value (adjustable):</b>      | x1, x2, x5   |
| <b>Decimal figures range:</b>             | 0 ÷ 3  |
| <b>Temperature range:</b>                 | -10 ÷ +50°C (max umidity 85% without condensation)                     |
| <b>Storage temperature:</b>               | -20 ÷ +70 °C   |
| <b>Filter:</b>                            | 0.1 ÷ 25 Hz  |
| <b>Logic output:</b>                      | 2 Solid-state relays, (maximum load 24 Vdc / 100 mA each)              |
| <b>Logic input:</b>                       | 2 optoisolated 24 Vcc PNP (External voltage)                           |
| <b>Serial port:</b>                       | USB, RS232C with ASCII or Modbus RTU protocols                         |
| <b>Power supply:</b>                      | 24 Vcc ±15% - power 5 W  |
| <b>Regulatory compliance:</b>             | EN61326-1, EN55011, EN55014 for EMC; EN61010-1 for electrical security |
| <b>Fieldbus:</b>                          | Profibus DP  |
| <b>Dimensions and weight:</b>             | 106 x 90 x 58 mm (L x H x P); 250 g                                    |
| <b>Baud rate:</b>                         | 2400, 9600, 19200, 38400, 115200 ajustable (RS232)                     |
| <b>Transmission distance:</b>             | 15m (RS232C)   |

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