# Weight Transmitter **DAT 100 RS485**

available with certification • UL

## General information

PWS5420261104

The DAT 100/RS485 product is a weight transmitter which guarantees high performance and long-term reliability. Its small width makes it possible to position a large number of transmitters inside the electrical automation panels. DAT 100/RS485 weight transmitter has an interface with intrinsically safe barriers for use in hazardous areas. It has two red status LEDs, 3 mechanical buttons behind the red door and screw terminal blocks.




Technical Manual: dat-100_en.pdf

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

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Industrial Electronic Weighing Systems since 1963

# Technical specifications

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| | |
|---|---|
| **Measuring range:** | –4 ÷ +4 mV/V |
| **Input sensitivity:** | 0.02 µV/count |
| **Full scale non-Linearity:** | < 0.01% |
| **Gain drift:** | < 0.001% FS/°C |
| **Display:** | 5 digit, red LED (7 segments), h 7 mm |
| **A/D Converter:** | 24 bit |
| **Internal Resolution:** | > 16.000.000 points |
| **Trasducer input voltage:** | 4 V (max 4 cells 350 Ohm) |
| **Frequency signal acquisition:** | 4 ÷ 123 Hz |
| **Visible resolution (in divisions):** | 999999 |
| **Divisions value (adjustable):** | 0.001 ÷ 50 |
| **Temperature range:** | -10 ÷ +50°C (max umidity 85% without condensation) |
| **Storage temperature:** | -20 ÷ +60°C |
| **Filter:** | 0.2 ÷ 25 Hz |
| **Serial port:** | RS232C half duplex with ASCII or Modbus RTU protocol, RS485 full duplex with ASCII or Modbus RTU protocol |
| **Power supply:** | 24 V c.c. ±10% – power 2 W |
| **Regulatory compliance:** | EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for electrical security |
| **Baud rate:** | 2400 ÷ 115200 adjustable |
| **Transmission distance:** | 15 m (RS232); 1000 m (RS485) |

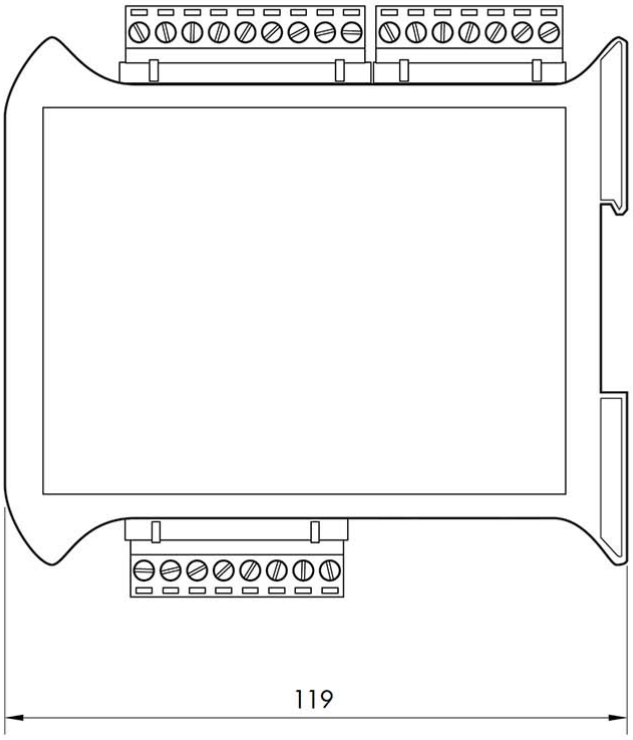
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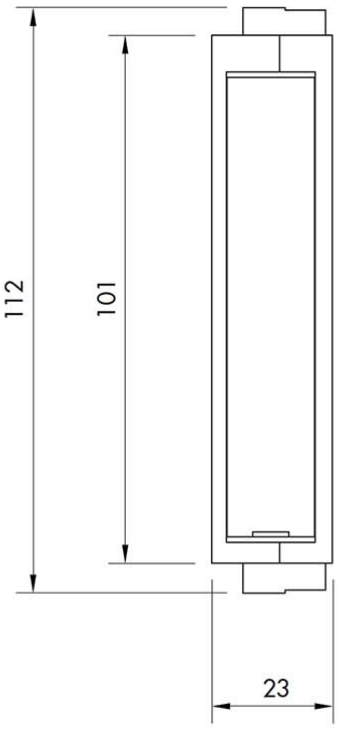
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