

## General information

PWS5420260706

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](#)

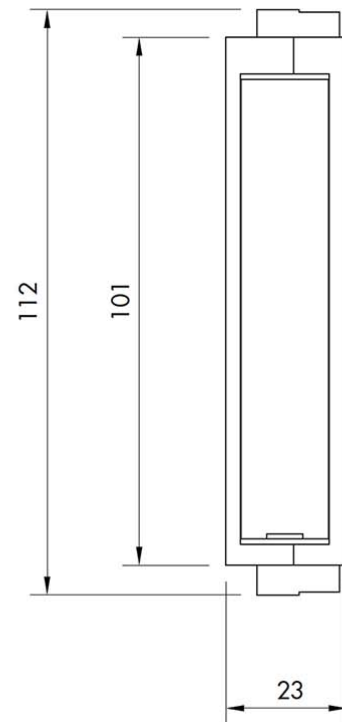
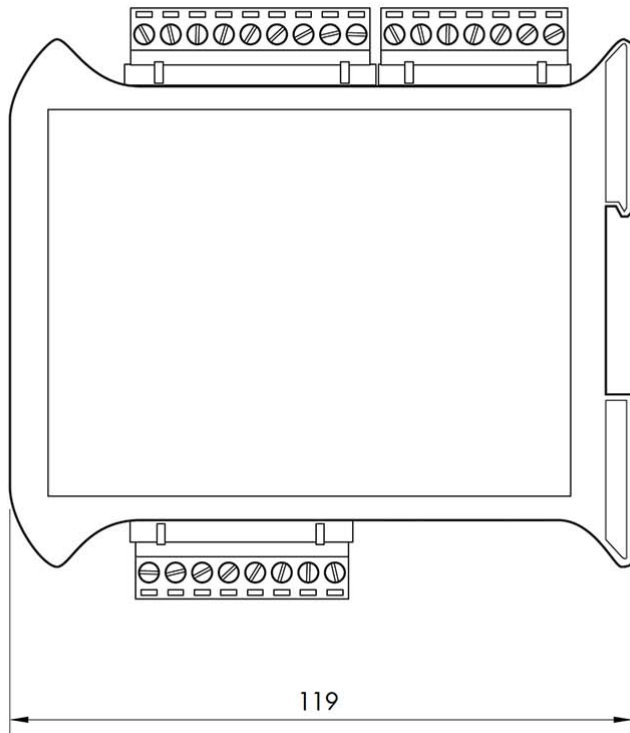
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

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<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 points
<b>Transducer input voltage:</b>	4 V (max 4 cells 350 Ohm)
<b>Frequency signal acquisition:</b>	4 ÷ 123 Hz
<b>Visible resolution (in divisions):</b>	999999
<b>Divisions value (adjustable):</b>	0.001 ÷ 50
<b>Temperature range:</b>	-10 ÷ +50°C (max umidity 85% without condensation)
<b>Storage temperature:</b>	-20 ÷ +60°C
<b>Filter:</b>	0.2 ÷ 25 Hz
<b>Serial port:</b>	RS232C half duplex with ASCII or Modbus RTU protocol, RS485 full duplex with ASCII or Modbus RTU protocol
<b>Power supply:</b>	24 V c.c. ±10% – power 2 W
<b>Regulatory compliance:</b>	EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for electrical security
<b>Baud rate:</b>	2400 ÷ 115200 adjustable
<b>Transmission distance:</b>	15 m (RS232); 1000 m (RS485)

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