

General information

PVS5420210527

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](#)

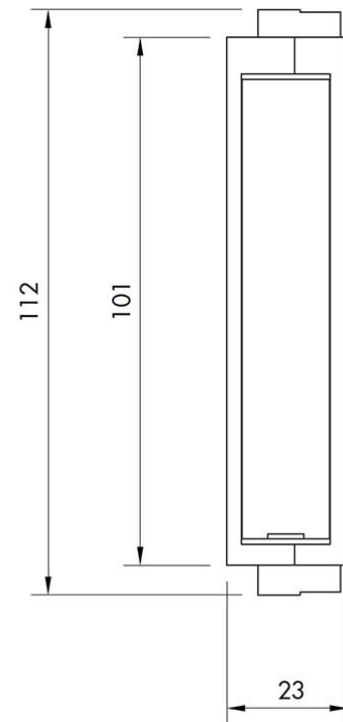
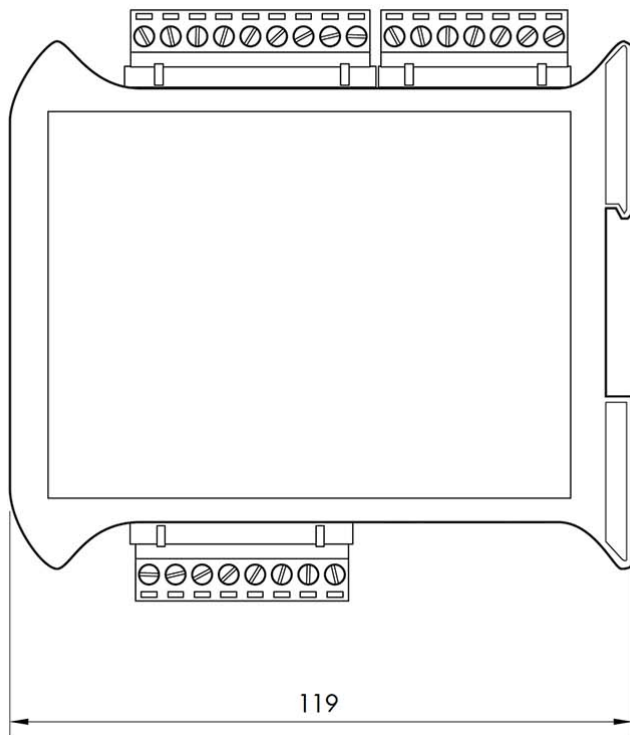
All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

Technical specifications

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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
Transducer 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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