

General information

PWS5420220331

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](#)

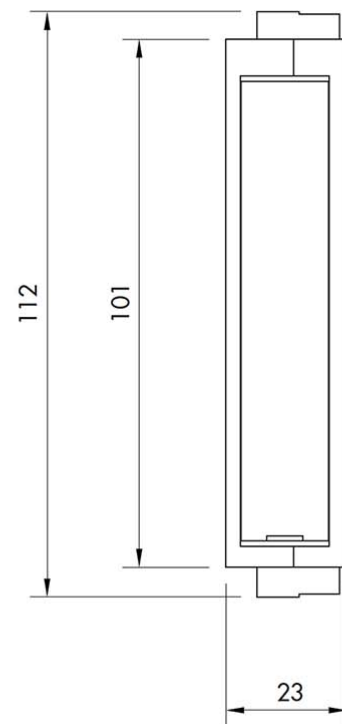
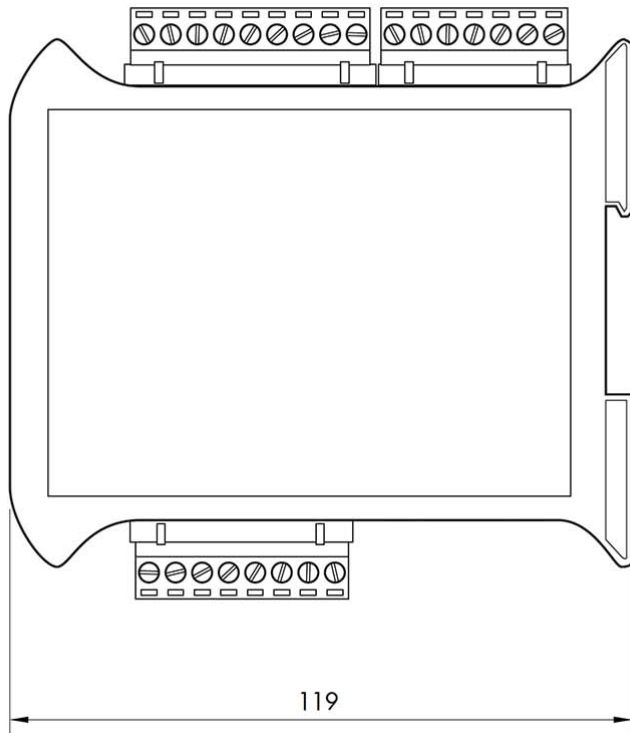


Technical specifications

PWS5420220331

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)

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



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