

## General information

PVS5520200820

The weight transmitter DAT 200 Profibus guarantees high performance and long-term reliability. Configuration and calibration can be set up directly from the front panel. The weight transmitter DAT 200 Profibus can be connected directly to the Profibus DP fieldbus. The contained dimensions allow to place a large number of transmitters within the electrical panels automation. The DAT 200 Profibus product is interfaced 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.


Profibus GSD file: [dat\\_200\\_profibus\\_gsd.zip](#)

Technical Manual: [dat\\_200\\_profibus\\_technical\\_manual\\_en.pdf](#)

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

## Technical specifications

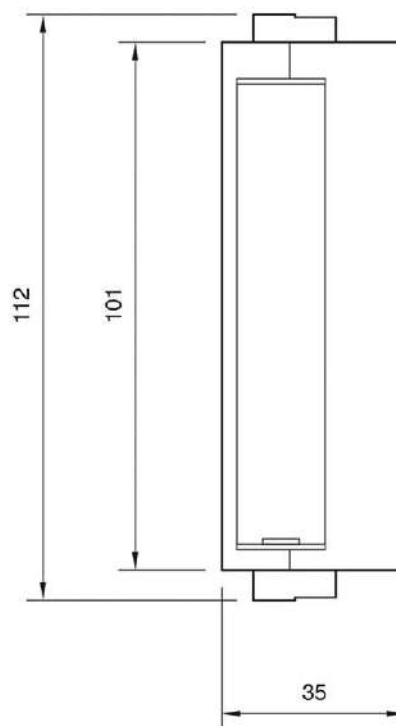
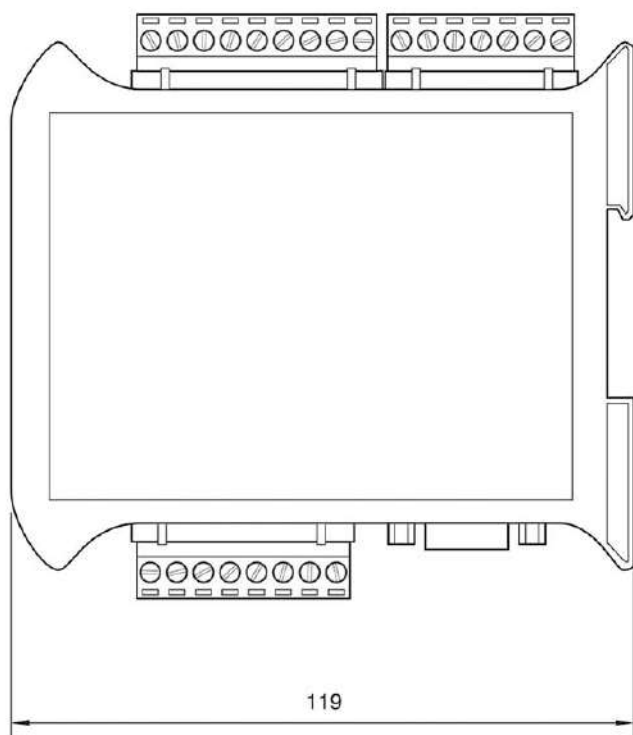
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<b>Measuring range:</b>	-4 ÷ +4 mV/V
<b>Input sensitivity:</b>	0.02 µV/count
<b>Full scale non-Linearity:</b>	< 0.01%
<b>Gain drift:</b>	< 0.001% FS/°C
<b>Display:</b>	5 digit, red LED (7 segments), h 7 mm
<b>A/D Converter:</b>	24 bit
<b>Internal Resolution:</b>	> 16.000.000 points
<b>Transducer input voltage:</b>	4 V (max 4 cells 350 Ohm)
<b>Visible resolution (in divisions):</b>	60 000
<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>	0.02 ÷ 25 Hz
<b>Serial port:</b>	RS232C half duplex with ASCII protocol
<b>Power supply:</b>	24 Vcc ±10% – power 2 W
<b>Regulatory compliance:</b>	EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for electrical security
<b>Baud rate fieldbus:</b>	9.6 K/sec ÷ 12 Mbit/sec
<b>Fieldbus:</b>	Profibus DP-V1
<b>Baud rate:</b>	2400 ÷ 115200 adjustable
<b>Transmission distance:</b>	15 m

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# Weight Transmitter **DAT 200 Profibus**

available with certification • UL • EAC



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