

## General information

PWS5920260106

The DAT 400 PBL weight transmitter is an innovative and exclusive product by Pavone Sistemi that can be customized. Among its features, there are the upload and download function for programming with TESTER 1008, 32 addressable units that are connectable to PC or PLC, linearization on 10 points and configuration and calibration from the front panel or PC via the USB serial port. It has a peak hold function for dynamic measures and screw terminal blocks.



Software Innovation 2: [innovation\\_2\\_weighing\\_software.zip](#)

Technical Manual: [dat-400\\_en.pdf](#)

Technical Manual: [dat-400\\_analog\\_en.pdf](#)

Technical Manual: [dat-400\\_fieldbus\\_en.pdf](#)

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

## Technical specifications

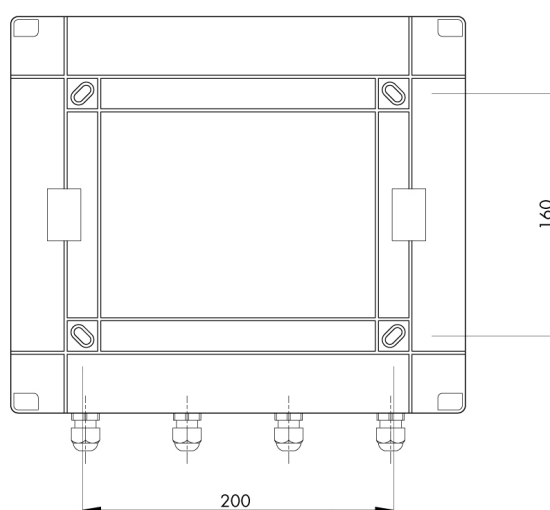
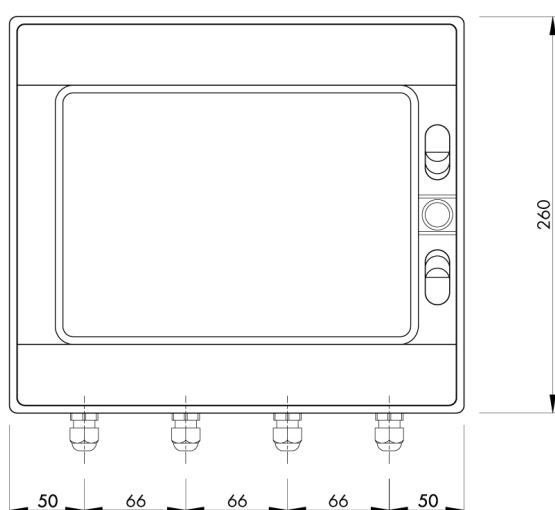
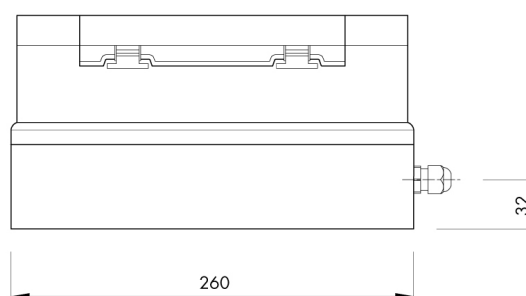
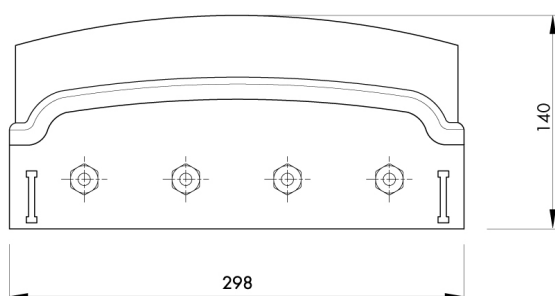
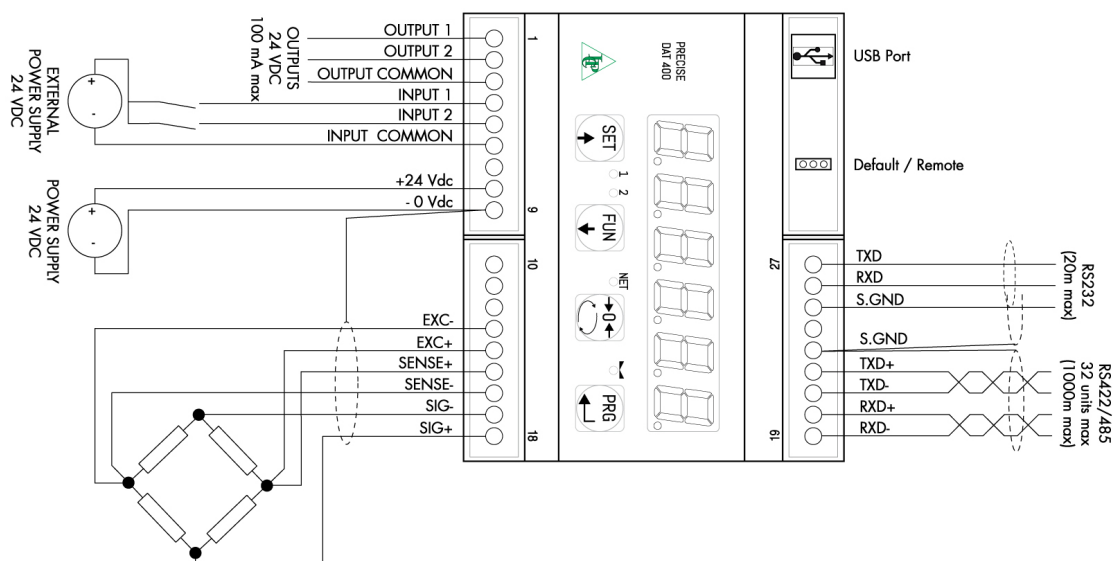
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<b>Measuring range:</b>	-0.5÷+3.5 mV/V (-3.9÷+3.9 mV/V optional)
<b>Input sensitivity:</b>	0.02 µV/count
<b>Full scale non-Linearity:</b>	<0.01%
<b>Gain drift:</b>	<0.001% FS/°C
<b>Display:</b>	6 digit, red LED (7 segments), h 14 mm
<b>A/D Converter:</b>	24 bit
<b>Internal Resolution:</b>	> 16.000.000 points
<b>Transducer input voltage:</b>	5 V (max 6 load cells 350 Ohm)
<b>Visible resolution (in divisions):</b>	60000
<b>Decimal figures range:</b>	0 ÷ 3
<b>Temperature range:</b>	-10 ÷ +50°C (max umidity 85% without condensation)
<b>Storage temperature:</b>	-20 ÷ +70°C
<b>Filter:</b>	0.1 ÷ 25 Hz
<b>Logic output:</b>	2 Solid-state relays, (maximum load 24 Vdc / 100 mA each)
<b>Logic inputs:</b>	2 optoisolated 24 V c.c. PNP (External voltage)
<b>Serial port:</b>	USB, RS232C or RS422/RS485 with ASCII or Modbus RTU protocols
<b>Power supply:</b>	230 Vac 50 Hz - power 5 W
<b>Regulatory compliance:</b>	EN50081-1, EN50082-2 for EMC; EN61010-1 for Electrical security
<b>Fieldbus:</b>	Profibus, Devicenet, Ethernet, Profinet, CANopen, Modbus-Plus, Precise Gateway 3000
<b>Dimensions and weight:</b>	298x260x140 (LxHxD)
<b>Baud rate:</b>	2400, 9600, 19200, 38400, 115200 adjustable
<b>Transmission distance:</b>	15m (RS232C), 1000m (RS422; RS485)

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# Weight Transmitter **DAT 400 PBL**

available with certification • EAC • OIML



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