

## General information

PWS7120260509

The weight transmitter DAT S 400 is a high quality stainless steel weighing instrument, which can be customized. Configuration and calibration can be set up both from the front panel and the serial port. The DAT S 400 solution has an upload and download function for programming, a peak hold function for dynamic measures and many other useful options that customers can choose.



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

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

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

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

Safety Notes: [dat\\_s\\_400\\_atex\\_safety\\_notes\\_en.pdf](#)

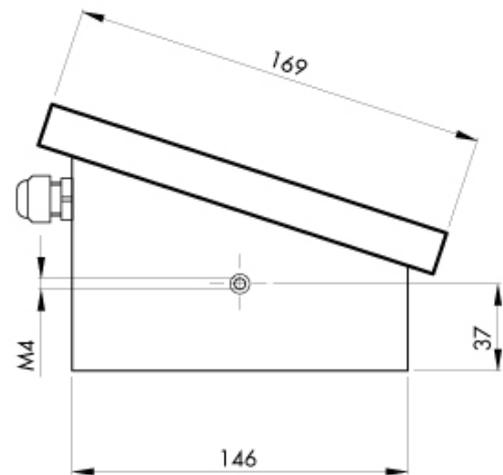
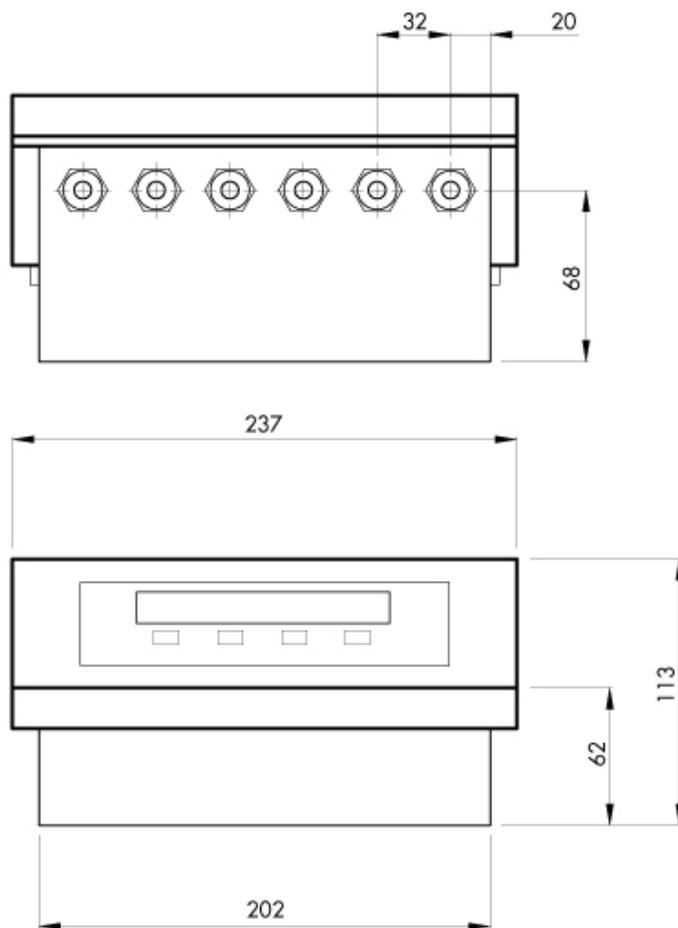
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

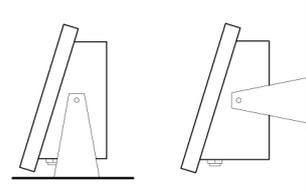
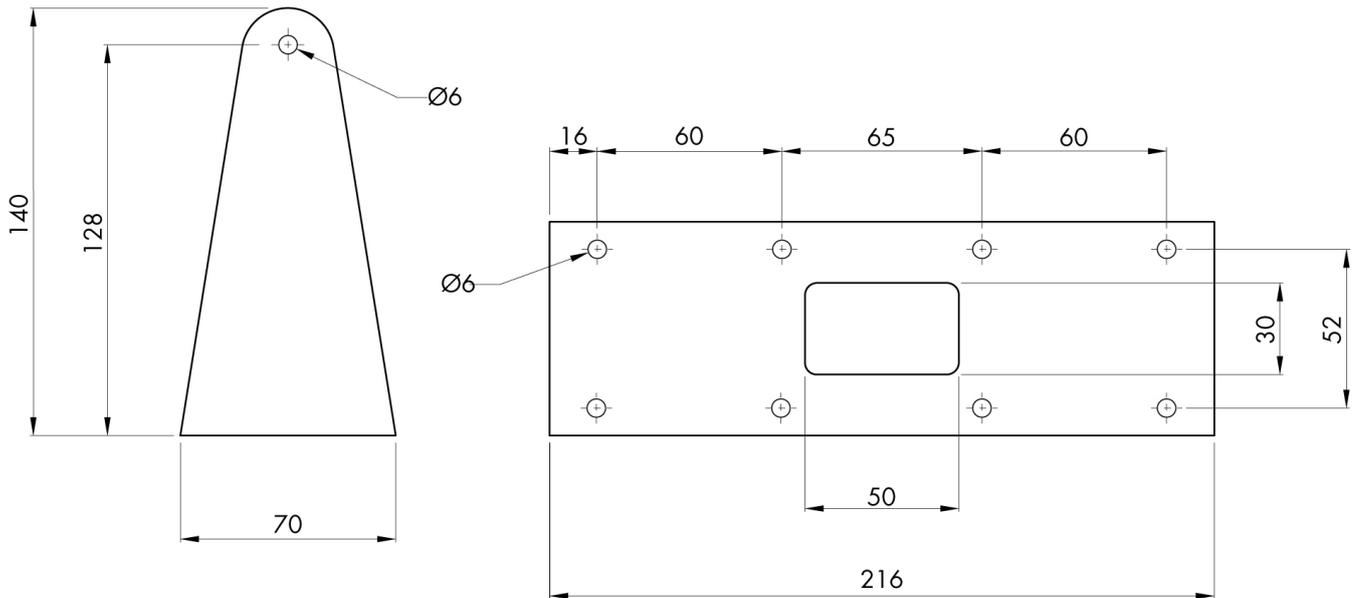
PWS7120260509

<b>Optional power supply:</b>	115 / 230 Vdc 50/60 Hz
<b>Measuring range:</b>	-0.5 ÷ +3.5 mV/V (optional -3.9 ÷ +3.9 mV/V)
<b>Input sensitivity:</b>	0.02 µV/count
<b>Full scale non-Linearity:</b>	< 0.01 % full scale
<b>Gain drift:</b>	< 0.001 % full scale/°C
<b>A/D Converter:</b>	24 bit
<b>Visible resolution (in divisions):</b>	> 60000
<b>Decimal figures range:</b>	0 ÷ 3
<b>Temperature range:</b>	-10 ÷ +40 °C
<b>Storage temperature:</b>	-20 ÷ +50°C
<b>Filter:</b>	0.1 ÷ 25 Hz
<b>Logic output:</b>	2 outputs (clean contact) Max 24 Vdc/100 mA cad.
<b>Logic inputs:</b>	2 optoisolated 24 Vdc PNP (External voltage)
<b>Serial port:</b>	USB, RS232C o RS422/RS485 with ASCII or Modbus RTU protocols
<b>Analog optional output:</b>	Optoisolated 16 bit, Tension: 0 ÷ 5 or 0 ÷ 10 V (R >10 K Ohm), Current: 0 ÷ 20 o 4 ÷ 20 mA (R < 300 Ohm), Linearity: 0,03 of full scale
<b>Power supply:</b>	24 Vdc ±15 % - absorbed power 5 W
<b>Regulatory compliance:</b>	EN61326-1, EN55011, EN55014 for EMC; EN61010-1 for electrical security
<b>Baud rate:</b>	2400, 9600, 19200, 38400, 115200 adjustable
<b>Transmission distance:</b>	15m (RS232C), 1000m (RS422; RS485)
<b>Fieldbus:</b>	Profibus, Devicenet, Profinet, Ethernet, Ethernet IP
<b>Trasducer input voltage:</b>	5 V (max 6 load cells 350 Ohm)

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).



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