

## General information

PWS7120241012

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](#)

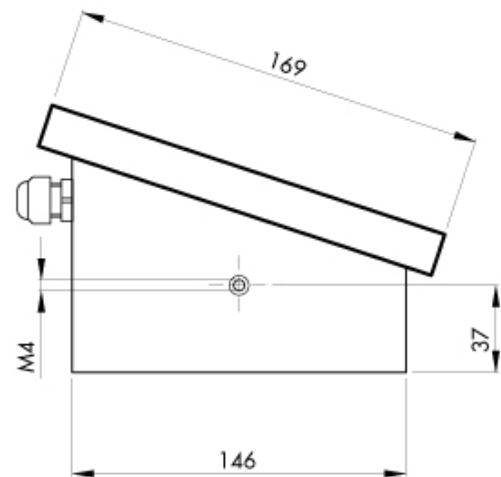
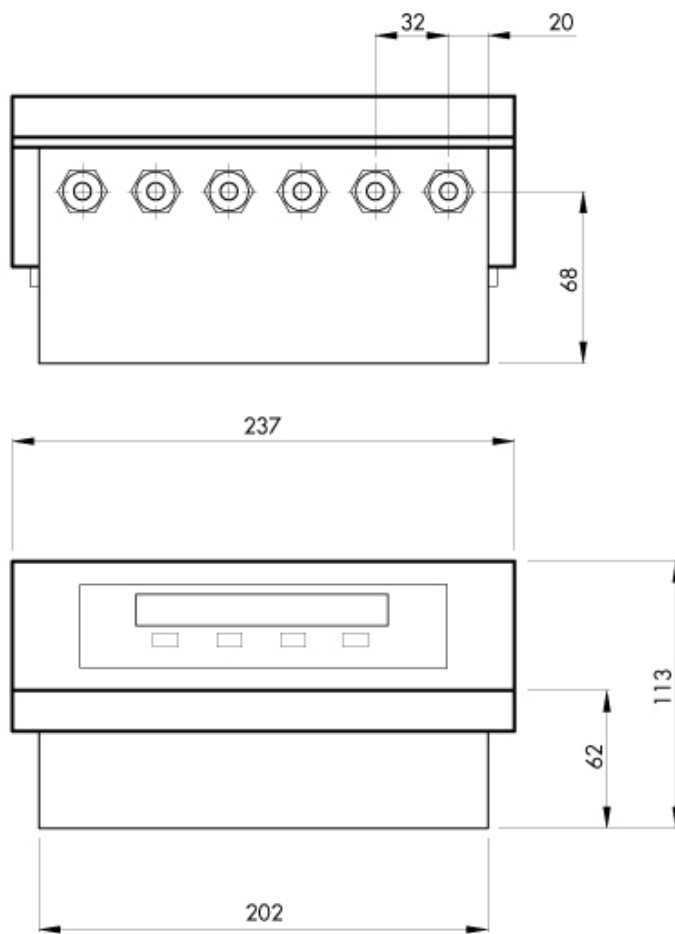
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

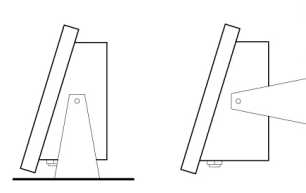
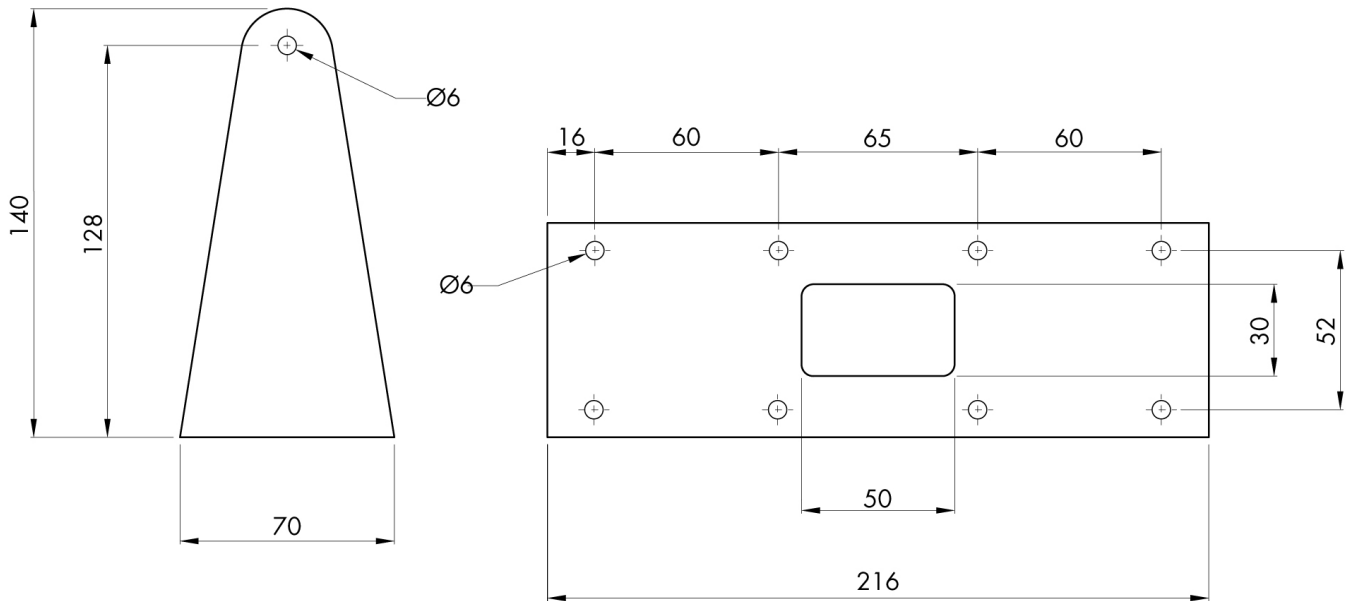
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<b>Optional power supply:</b>	115 / 230 Vdc 50/60 Hz
<b>Measuring range:</b>	-0.5 ÷ +3.5 mV/V (optional -3.9 ÷ +3.9 mV/V)
<b>Input sensitivity:</b>	0.02 µV/count
<b>Full scale non-Linearity:</b>	< 0.01 % full scale
<b>Gain drift:</b>	< 0.001 % full 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 input:</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)

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