Atex and Stainless Steel **DAT S 400 (ATEX 2,22)**

available with certification • UL • EAC • ATEX

General information

PWS7120250304

The weight transmitter DAT S 400 is a high quality stainless steel weighing instrument, which can be costumized. 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 Inovation 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).

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Industrial Electronic Weighing Systems since 1963

Technical specifications

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

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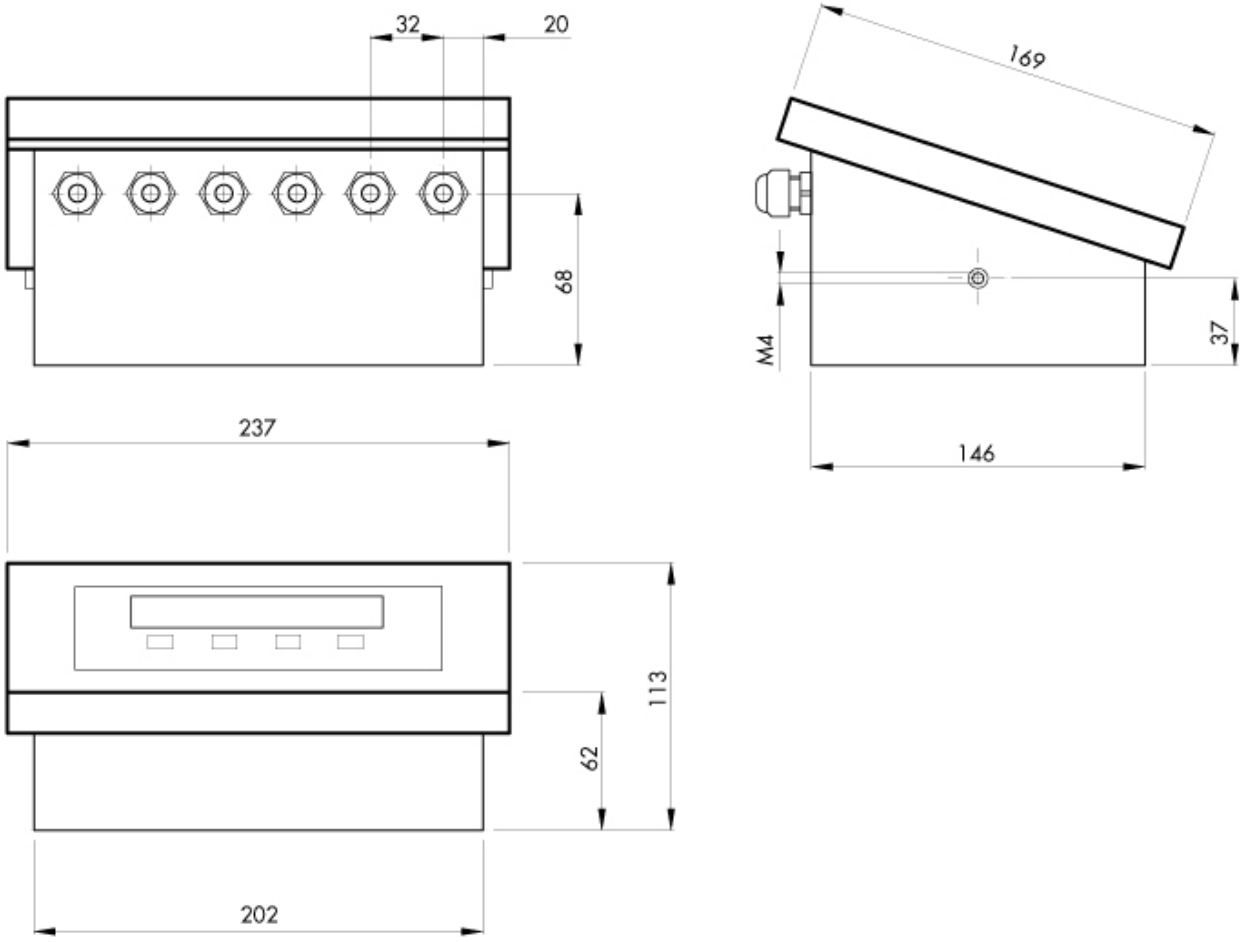

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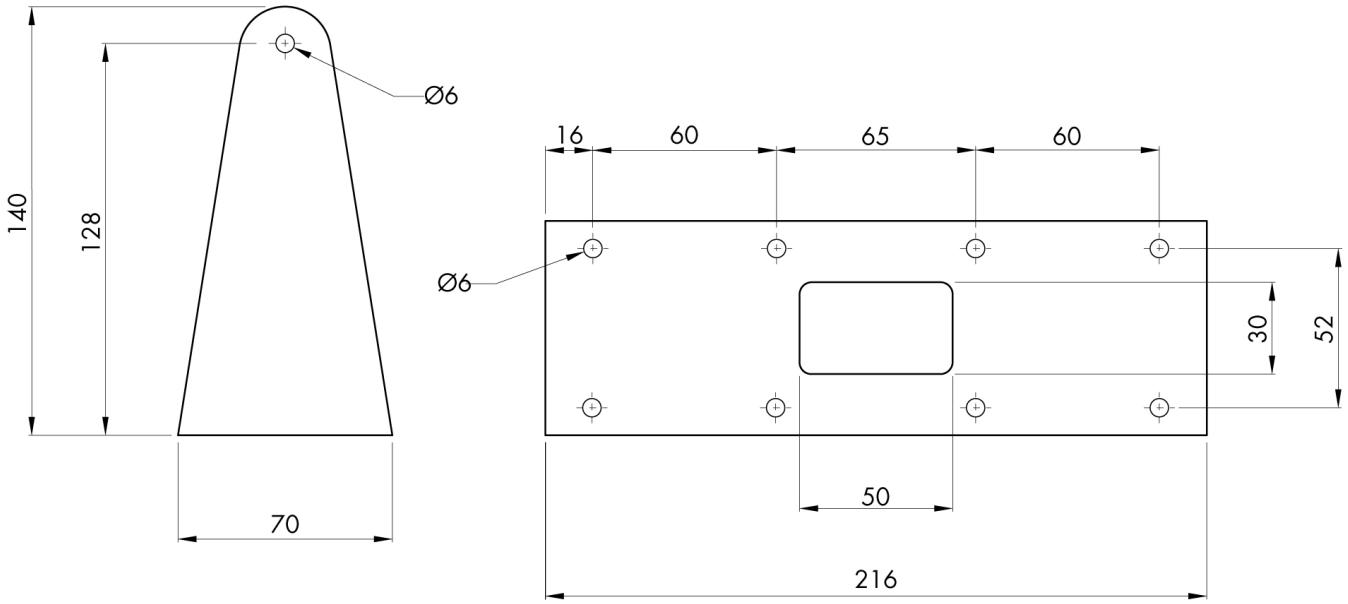

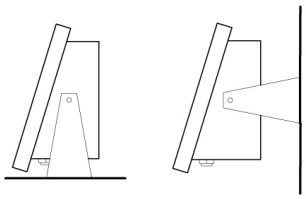

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