

## General information

PWS37720260215

DAT S 1400 is a stainless steel weighing instrument. High quality, 100% customizable. Configuration and calibration can be done both from the front panel and from the serial port. Inspired by DAT 1400 and keeping unchanged all the features and functions of the aforementioned; DAT-S version can be considered as a valid tool for weighing and production activities. Including peak hold function for dynamic measurements and many other options that adapt to customer needs.



## Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

**Mounting kits** [DE MOUNTING KIT](#)

**Tester 1008** [TESTER 1008](#)

**Shear beam load cells** [65023](#)

**Bending beam load cell** [BBR](#)

**Junction Box** [CGS4-C](#)

**Shear beam load cells** [SBR](#)

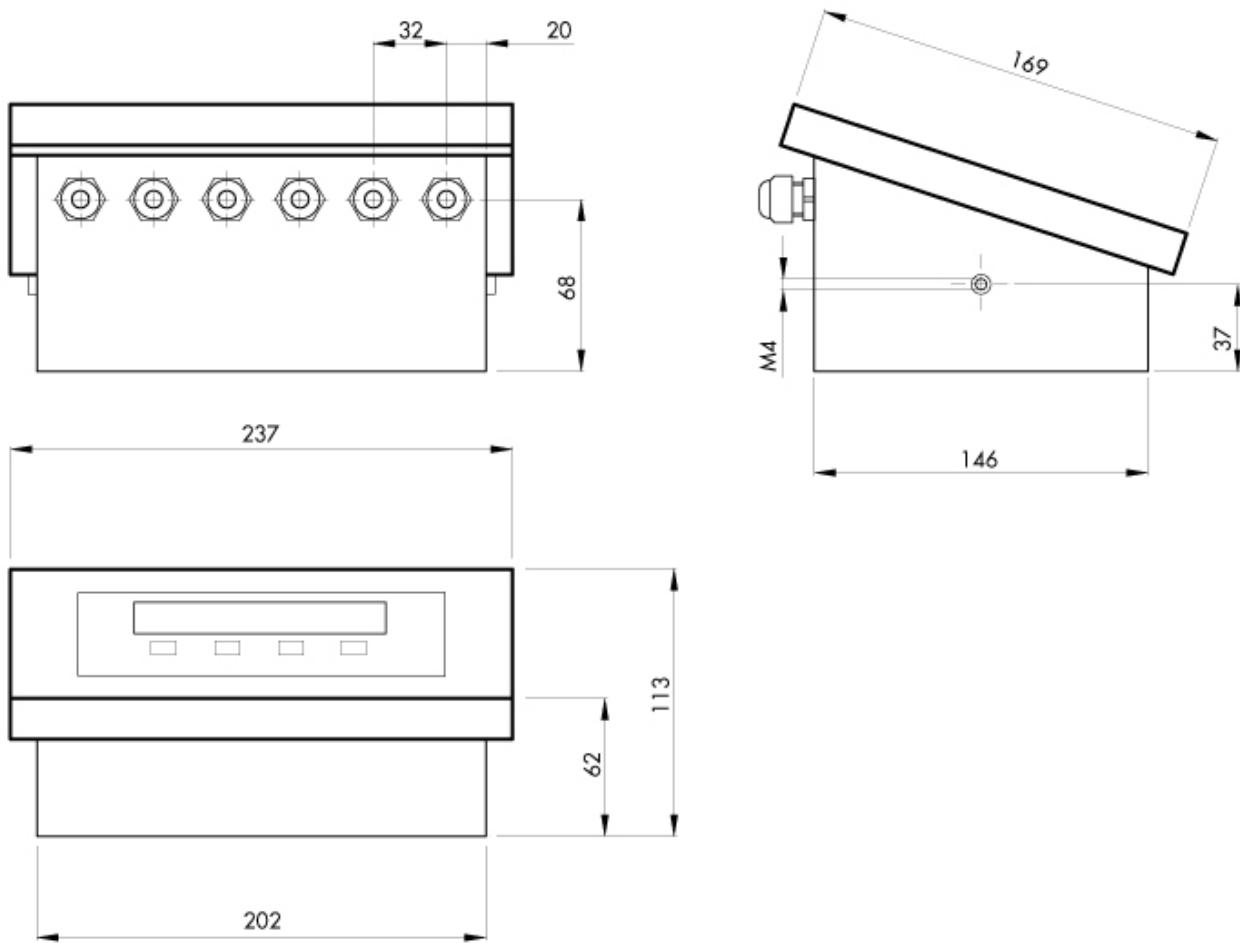
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

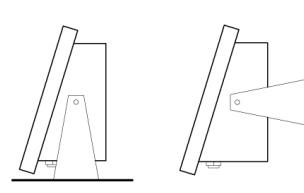
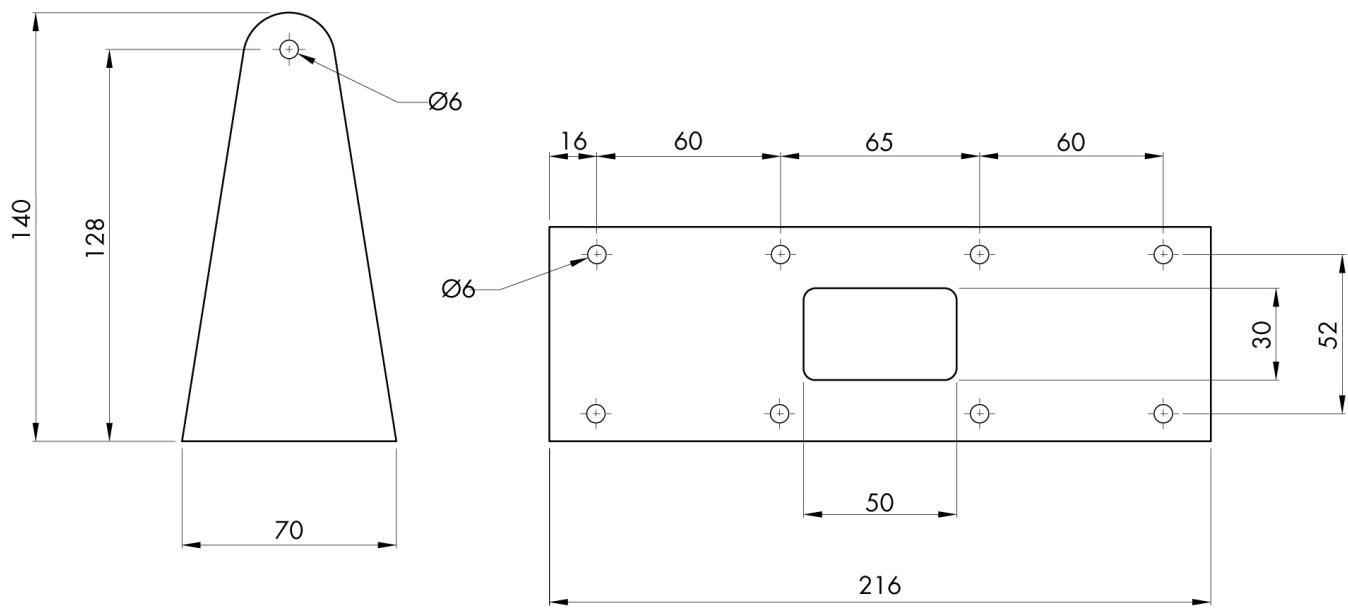
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<b>Legal for Trade:</b>	certification available on request
<b>Measuring range:</b>	-3.9 ÷ +3.9 mV/V
<b>Input sensitivity:</b>	0.02 $\mu$ V/count
<b>Full scale non-Linearity:</b>	<0.01%
<b>Gain drift:</b>	< 0.001% FS/°C
<b>Display:</b>	6 digit, 7-segment LED red, height 14mm
<b>A/D Converter:</b>	24 bit
<b>Internal Resolution:</b>	> di 16.000.000 points
<b>Frequency signal acquisition:</b>	12 ÷ 1000 Hz
<b>Visible resolution (in divisions):</b>	999999
<b>Divisions value (adjustable):</b>	x1, x2, x5, x10, x20, x50
<b>Decimal figures range:</b>	0 ÷ 4
<b>Temperature range:</b>	-10 ÷ +50°C (max umidity 85% without condensation)
<b>Storage temperature:</b>	-20 ÷ +70°C
<b>Filter:</b>	0.5 ÷ 1000 Hz
<b>Excitation voltage:</b>	5 Vdc (max 8 -350 Ohm- load cells)
<b>Logic output:</b>	2 optoisolated outputs; max 24 Vdc/100 mA each
<b>Logic inputs:</b>	2 optoisolated inputs 24 Vdc PNP (external power supply)
<b>Serial port:</b>	1 USB device + 1 RS232C + 1 RS485/Fieldbus; ASCII or Modbus RTU protocol
<b>Analog output Non-Linearity:</b>	< 0,02%
<b>Temperature drift analog output:</b>	0,001% FS / °C
<b>Power supply:</b>	12 ÷ 24 Vdc $\pm$ 15% - power consumption 5 W
<b>Microcontroller:</b>	ARM Cortex M0 + 32 bit 256KB Flash reprogrammable onboard via USB
<b>Data storage:</b>	64 Kbytes expandable up to 1024 Kbytes (optional)
<b>Regulatory compliance:</b>	EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for Electrical Safety

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