![PAVONE SYSTEMS logo]

General information

PWS37720230626

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
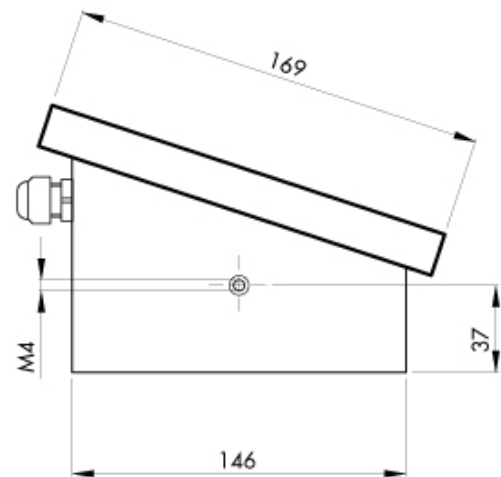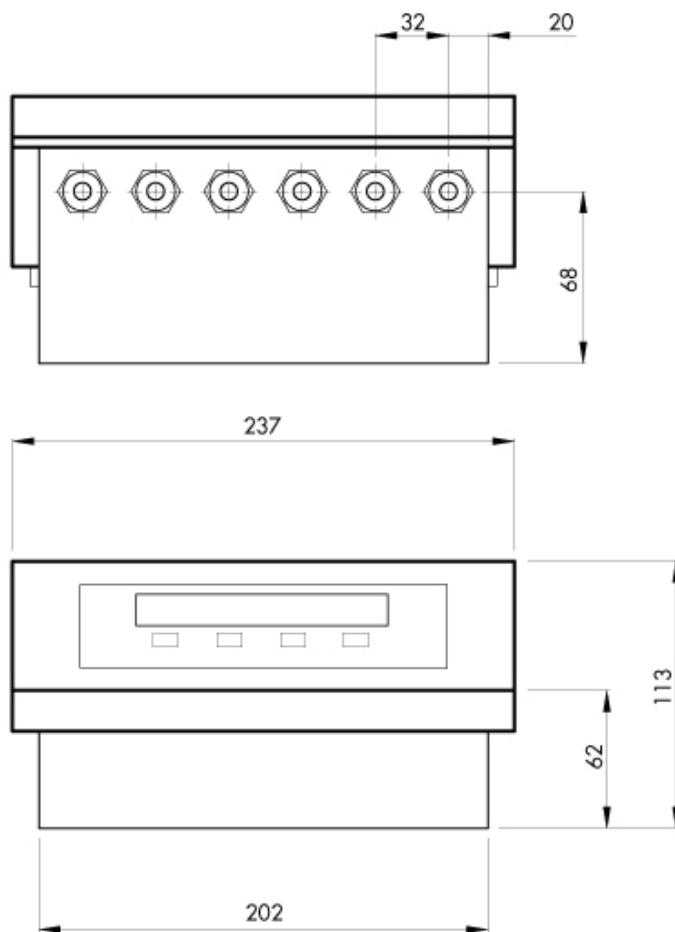
Shear beam load cells SBR

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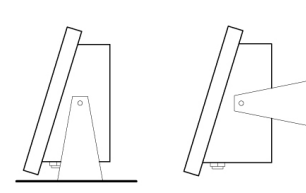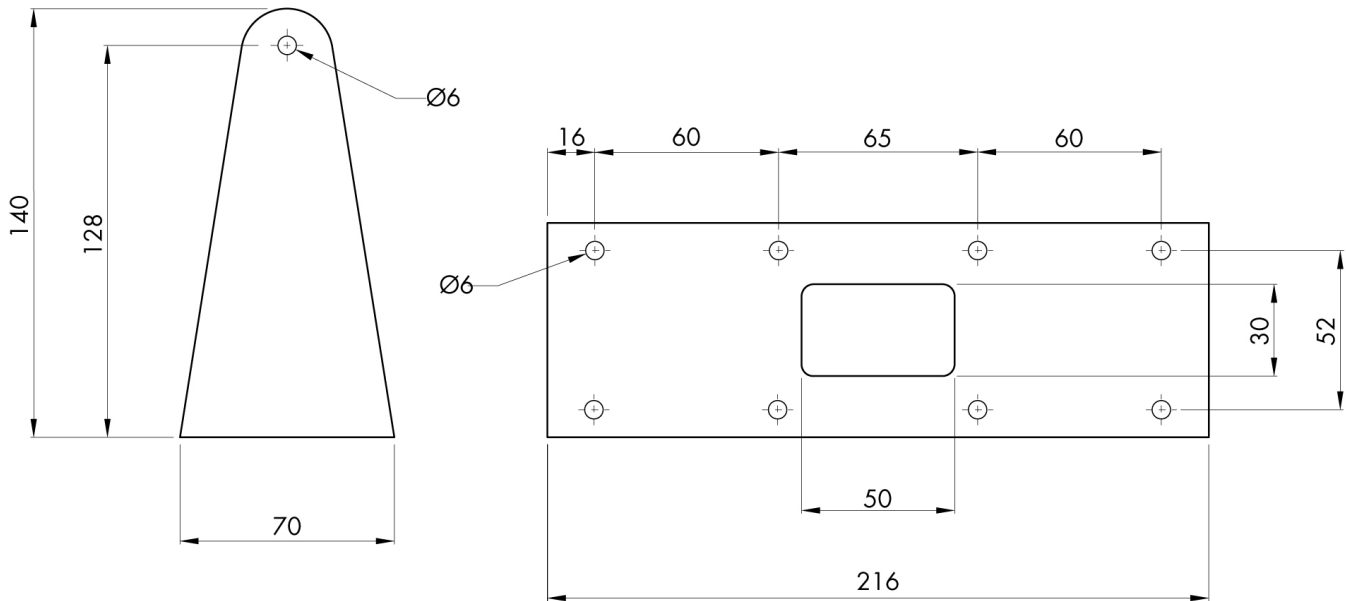All the measures indicated are expressed in millimeters (mm).

Technical specifications

PWS37720230626

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

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PAVONE SISTEMI S.R.L.
Via Tiberio Bianchi 11/13/15, 20863 Concorezzo (MB), Milan, Italy
T (+39) 039 9162656 **F** (+39) 039 9162675 **W** pavonesistemi.com
Industrial Electronic Weighing Systems since 1963

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Ø6

140

128

Ø6

70

16   60   65   60

30

52

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216