Weight Transmitter **DAT 500 Analog**

available with certification • UL • GOST • EAC

General information

PWS22520260221

The DAT 500 Analog weight transmitter guarantees high performance and reliability. It own function of uploading and downloading for programming with TESTER 1008. The connection can be made through the external converter and the configuration and calibration can be set from the front panel or from PC with the Inovation ™ program (MS WINDOWS). The weight transmitter DAT 500 Analog has a Peak Hold function for dynamic weighings and screw terminal blocks.

Software Inovation 2: inovation_2_weighing_software.zip

Technical Manual: dat-500_en.pdf

Technical Manual: dat-500_analog_en.pdf

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

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

Technical specifications

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Measuring range:	-0.5 ÷ +3.5 mV/V (-3.9 ÷+3.9 mV/V optional)
Input sensitivity:	0.02 µV/count
Full scale non-Linearity:	<0.01%
Gain drift:	<0.001% FS/°C
Display:	6 digit, red LED (7 segments), h 14 mm
A/D Converter:	24 bit
Internal Resolution:	> 16.000.000 points
Trasducer input voltage:	5 V (max 6 load cells 350 Ohm)
Visible resolution (in divisions):	60000
Divisions value (adjustable):	x1, x2, x5
Decimal figures range:	0 ÷ 3
Temperature range:	-10 ÷ +50°C (max umidity 85% without condensation)
Storage temperature:	-20 ÷ +70 °C
Filter:	0.1 ÷ 25 Hz
Logic output:	2 Solid-state relays, (maximum load 24 Vdc / 100 mA each)
Logic inputs:	2 optoisolated 24 V c.c. PNP (External voltage)
Serial port:	RS232C or RS422/RS485 with ASCII or Modbus RTU protocols
Power supply:	24 V c.c. ±15% - power 5 W
Regulatory compliance:	EN61326-1, EN55011 and EN55014 for EMC; EN61010-1 for electrical security
Baud rate:	2400, 9600, 19200, 38400, 115200 adjustable
Transmission distance:	15m (RS232C), 1000m (RS422; RS485)
Analog output:	optoisolated 16 Bit Tension: 0÷5/10V (R min10 K Ohm) Current: 0/4÷20mA (R max 300 Ohm)
Dimensions and weight:	96 x 48 x 120 mm (L x H x D); 250 g
Bipolar optional output:	±10V

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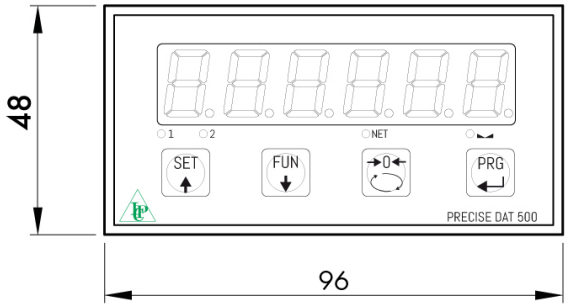

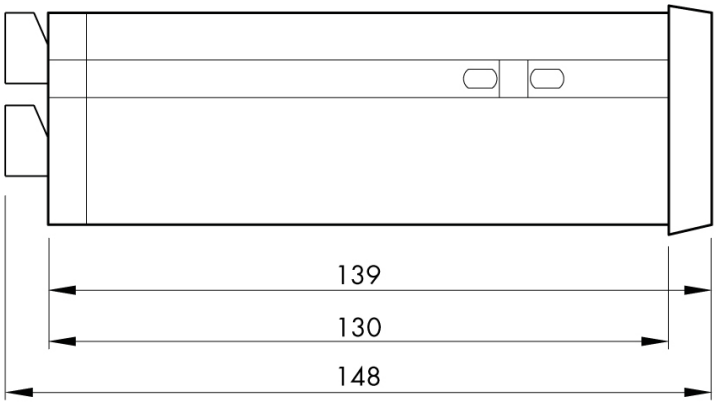

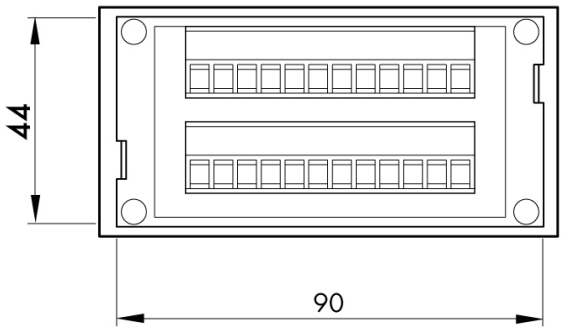

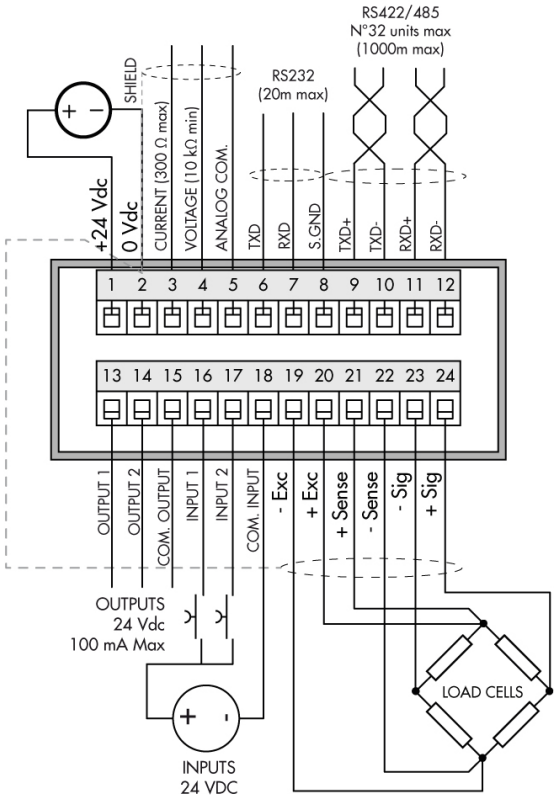

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