Weight Transmitter **UWT 6008 Ethercat**

General information

PWS28620240315

The UWT 6008 Ethercat weight transmitter has been designed by Pavone Systems. This weight transmitter is a unique product since it is suitable to all industrial applications where it is necessary to know the load distribution on the different cells.The UWT 6008 Ethercat weight transmitter is able to monitor all load cells and generate alarms due to excessive cell signal drift, missing connections, failure of one cell and unbalanced weight distribution. The emulative control allows the weighing system to work even in case of one cell failure until its replacement. The Software Optimation is given for free. This Software allows you to run certain activities such as calibration or monitoring directly from your computer. The Optimation software is provided by Pavone Systems and guarantees a perfect instrument run.

Software Optimation 1.8.23: optimation_weighing_software.zip

Technical Manual: uwt-6008_technical_manual.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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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:	128 x 64-pixel graphic LCD
A/D Converter:	24 bits
Internal Resolution:	> 16.000.000 points
Trasducer input voltage:	5 Vdc (230 mA max.)
Frequency signal acquisition:	12,5 ÷ 300 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. humidity: 85% without condensation)
Storage temperature:	-20 ÷ +70°C
Filter:	5 ÷ 250 Hz
Logic output:	2 relays, Max. 48 Vac/Vdc, 2A each
Logic input:	2 opto-isolated at 12/24 Vdc PNP (external power supply)
Serial port:	1 USB device + 1 RS232C + 1 RS485
Analog output Non-Linearity:	< 0,02%
Temperature drift analog output:	0,001% FS /°C
Power supply:	12-24 Vdc ±15% - power consumption 4 W
Microcontroller:	ARM Cortex M0+ at 32 bits, 256KB Flash reprogrammable on-board from USB
Data storage:	64 Kbytes expandable up to 1024 Kbytes
Regulatory compliance:	EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for Electrical Safety, EN45501 for metrology
Number of load cells:	1 ÷ 8
Dimensions:	100 x 75 x 110 mm (L x H x P)

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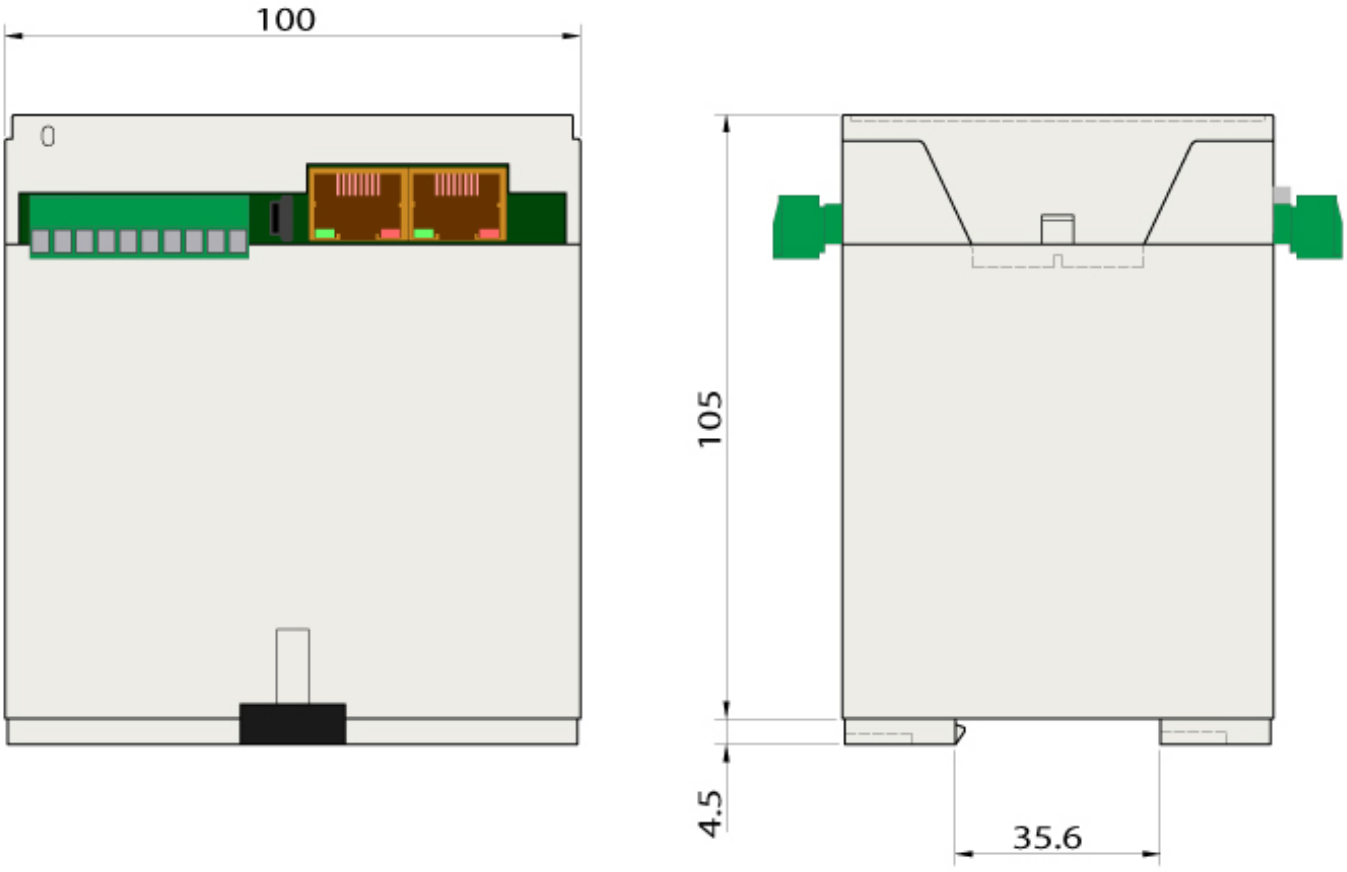

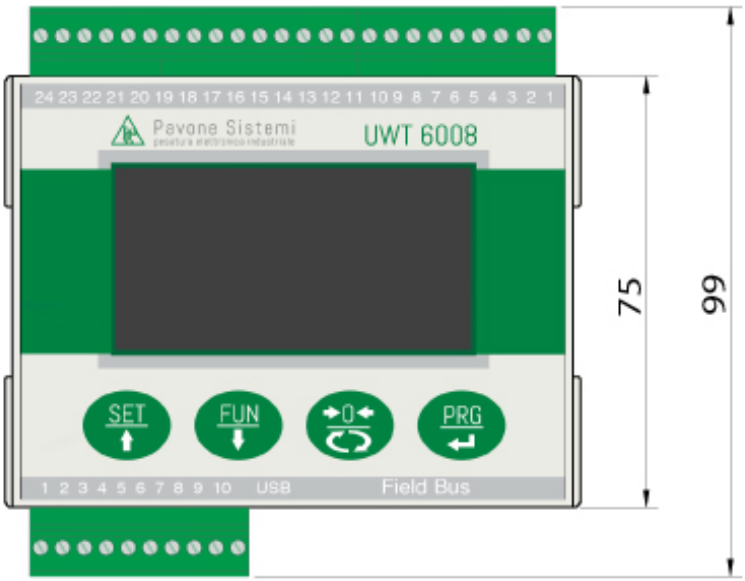

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