# Weight Transmitter **UWT 6008**

## General information

PWS27720261107

The UWT 6008 weight transmitter comes from the Pavone Systems experience. It is a unique product in the weight transmitter family and is ideal for all industrial applications where it is necessary to know the load distribution on the different cells. It is able to monitor all load cells and generate alarms due to excessive cell signal drift, missing connections, failure of one of the cells, unbalanced weight distribution. The emulative control allows the continuity of work of the weighing system even in case of failure on one of the load cells, up to the replacement of the same. 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 1.11.22: 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).

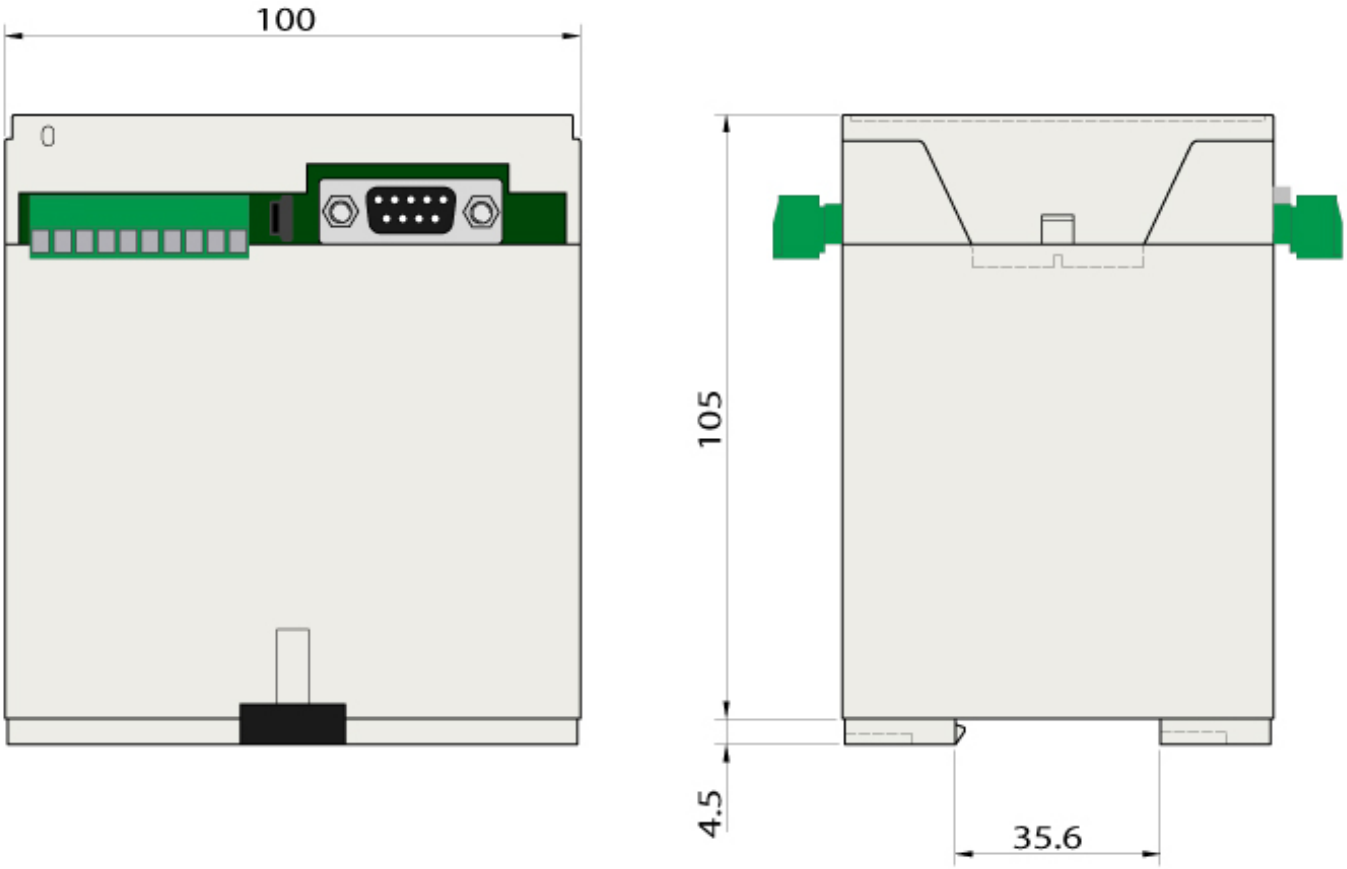
**PAVONE SISTEMI S.R.L.**
Via Tiberio Bianchi 11/13/15, 20863 Concorezzo (MB), Milan, Italy
**T** (+39) 039 9162656 **F** (+39) 039 9162675 **W** pavonesistemi.com
Industrial Electronic Weighing Systems since 1963

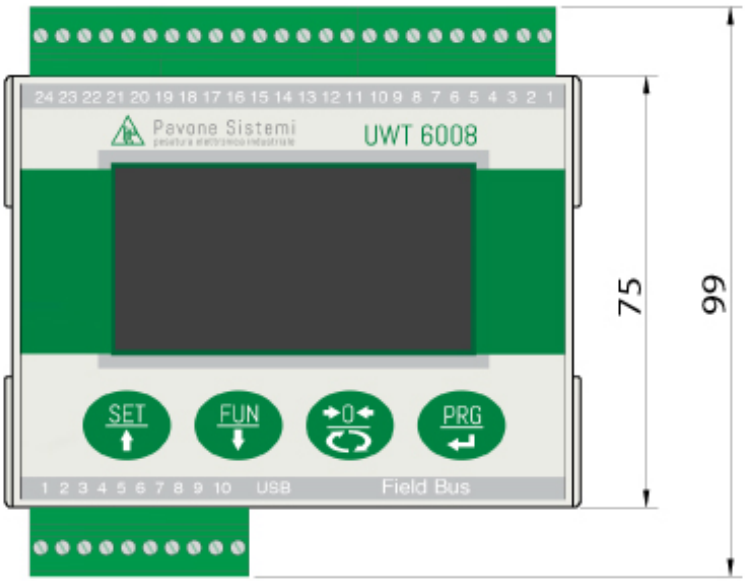
# Technical specifications

PWS27720261107

| | |
|---|---|
| **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 (max. 230 mA) |
| **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 (humidity max 85% no condensation) |
| **Storage temperature:** | -20 ÷ +70°C |
| **Filter:** | 5 ÷ 250 Hz |
| **Logic output:** | 2 relays, Max. 48 Vac/Vdc, 2A each |
| **Logic inputs:** | 2 opto-isolated at 12/24 Vdc PNP (external power supply) |
| **Serial port:** | 1 USB device + 1 RS232C + 1 RS485, Fieldbus, ASCII or Modbus RTU |
| **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) |

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




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