

## General information

PVS32020200512

The UWT 6008 Analog + Canopen weight transmitter results from the experience of Pavone Systems. 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. The UWT 6008 Analog + Canopen weight transmitter is able to monitor all load cells and generate alarms due to excessive cell signal drift, missing connections, failure of one of the cells and unbalanced weight distribution. The emulative control allows the weighing system to work even in case of failure of one cell, 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 1.3.17: optimation\_weighing\_software.zip

Canopen GSD file: uwt\_6008\_canopen\_gsd.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)



## Weight Transmitter UWT 6008 Analog + Canopen

## Technical specifications

PVS32020200512

Input sensitivity:		
Full scale non-Linearity:  40.01%  Gain drift:  40.001% FS/*C  Display:  128 x 64-pixel graphic LCD  AD Converter:  24 bits  Internal Resolution:  7 Traducer 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  Decinal figures range:  0 ÷ 4  Temperature range:  -10 ÷ + 50*C (max. humidity: 85% without condensation)  Storage temperature:  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:  4 0.02%  Temperature drift analog output:  0 0.01% FS /*C  Power supply:  1 2-24 Vdc ±15% - power consumption 4 W  Microcontroller:  ARM Cortex Mo+ 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	Measuring range:	-3.9 ÷ +3.9 mV/V
Annother	Input sensitivity:	0.02 μV/count
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           Tomperature 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 MO+ 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 metrolog	Full scale non-Linearity:	<0.01%
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 output: 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	Gain drift:	< 0.001% FS/°C
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<b>Dimensions:</b> 100 x 75 x 110 mm (L x H x P)	Number of load cells:	1 ÷ 8

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