

General information

The UWT 6008 Ethernet 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 Ethernet is able to monitor all load cells and generate alarms due to excessive cell signal drift, missing connections, failures in load cells and unbalanced weight distribution. The emulative control allows the weighing system to work even when a load cell is broken, 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 1.3.12: optimation_weighing_software.zip

Technical Manual: uwt-6008_en.pdf





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Technical specifications

PVS28520191003

Measuring range: -3.9 = +3.9 mV/V Input sensitivity: 0.02 µ/count Full scale non-Linearity: <0.01% Cain drift: <0.001% FS/°C Display: 128 x 64-pixel graphic LCD AD Converter: 24 bits Internal Resolution: >16.000.000 points Traducer Input voltage: 5 vdc (230 mA max.) Frequency signal acquisiton: 12.5 ≈ 300 H2 Visible resolution (in divisions): 999999 Decimal figures range: 1.0 + 50°C (max. humidity: 85% without condensation) Decimal figures range: -0.9 + 70°C Filter: 2.0 + 70°C Filter: 5 × 250 H2 Logic output: 2 vertered acquised ad 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 ,000% FS / °C Power supply: 4 RM Cortex MO+ at 32 bis, 256KB Flash reprogrammable on-board from USB Area for grammable on-board from USB 6 4 Kbytes expendable up to 1024 Kbytes Regulatory compliance: 1 - 8 Dimensio		
Regulatory compliance: 10.01% South September September	Measuring range:	-3.9 ÷ +3.9 mV/V
Gain drifft: < 0.001% FS/°C Display: 128 x 64-pixel graphic LCD A/D Converter: 24 bits Internal Resolution: > 16.000.000 points Traducer input voltage: 5 Vode (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-	Input sensitivity:	0.02 μV/count
Display: 128 x 84-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: 1 ± 8	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 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 metrology	Gain drift:	< 0.001% FS/°C
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Trasducer input voltage: 5 Vdc (230 mA max.) Frequency signal acquisition: 12,5 ÷ 300 Hz Visible resolution (in divisions): 9999999 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 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	A/D Converter:	24 bits
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Regulatory compliance: EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for Electrical Safety, EN45501 for metrology Number of load cells: 1 ÷ 8	Serial port: Analog output Non-Linearity: Temperature drift analog output:	1 USB device + 1 RS232C + 1 RS485 < 0,02% 0,001% FS / °C
Number of load cells: 1 ÷ 8	Serial port: Analog output Non-Linearity: Temperature drift analog output: Power supply:	1 USB device + 1 RS232C + 1 RS485 < 0,02% 0,001% FS / °C 12-24 Vdc ±15% - power consumption 4 W
	Serial port: Analog output Non-Linearity: Temperature drift analog output: Power supply: Microcontroller:	1 USB device + 1 RS232C + 1 RS485 < 0,02% 0,001% FS / °C 12-24 Vdc ±15% - power consumption 4 W ARM Cortex M0+ at 32 bits, 256KB Flash reprogrammable on-board from USB
Dimensions: 100 x 75 x 110 mm (L x H x P)	Serial port: Analog output Non-Linearity: Temperature drift analog output: Power supply: Microcontroller: Data storage:	1 USB device + 1 RS232C + 1 RS485 < 0,02% 0,001% FS / °C 12-24 Vdc ±15% - power consumption 4 W ARM Cortex M0+ at 32 bits, 256KB Flash reprogrammable on-board from USB 64 Kbytes expandable up to 1024 Kbytes
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All indicated data may be changed without notice.







