



General information

PVS32120200512

The UWT 6008 Analog + 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 Analog + 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 1.3.17: optimation_weighing_software.zip

Technical Manual: uwt-6008_technical_manual.pdf

All indicated data may be changed without notice.



Weight Transmitter UWT 6008 Analog + Ethernet

Technical specifications

PVS32120200512

Measuring range: 3.9 + 3.9 m/V Input sensitivity: 0.02 p//count Full scale non-Linearity: 0.001% FSPC Gain drit: 0.001% FSPC 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 Docimal figures range: x1, x2, x5, x10, x20, x50 Docimal figures range: 10 + 50°C (max. humidity: 85% without condensation) Storage temperature: 20 + 70°C Eiger cutput: 2 x + 50° Hz Logic output: 3 x + 50° Hz Logic output: 4 x + 50° Hz Logic output: 0 x + 50° Hz Logic output: 0 x + 50° Hz Logic input: 0 x + 50° Hz Serial port: 1 x + 50° Hz Analog output:		
Full scale non-Linearity: <0.01% Gain drift: <0.001% FS/°C Display: 128 x 64-pixel graphic LCD AD 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 Docinal 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 MP+ at 32 bits, 256KB Flash reprogrammable on-board from USB Data storage: 64 Kbytes expandable up to 1024 Kbytes<	Measuring range:	-3.9 ÷ +3.9 mV/V
Gain driff: < 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 MO+ at 32 bits, 256KB Flash reprogrammable on-board from USB Data storage: 64 Kbytes expandable up to 1024 Kbytes Regulatory compliance: EN81000	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 Temperature range: 110 ÷ + 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 metrolo	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: 9 copto-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, EN81000-6-3 for EMC; EN61010-1 for Electrical Safety, EN45501 for metrology Number of load cells: 1 +8	Gain drift:	< 0.001% FS/°C
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 copto-isolated at 12/24 Vdc PNP (external power supply) Serial port: 1 USB device + 1 RS232C + 1 RS485 Analog output Non-Linearity: -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: Regulatory compliance: 1 + 8	Display:	128 x 64-pixel graphic LCD
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: 5 + 250 Hz Logic output: 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: 1 + 8	A/D Converter:	24 bits
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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	Visible resolution (in divisions):	999999
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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	Temperature range:	-10 ÷ + 50°C (max. humidity: 85% without condensation)
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	Storage temperature:	-20 ÷ +70°C
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	Filter:	5 ÷ 250 Hz
Serial port: Analog output Non-Linearity: Comperature drift analog output: Dower supply: ARM Cortex M0+ at 32 bits, 256KB Flash reprogrammable on-board from USB ARM Cortex M0+ at 32 bits, 256KB Flash reprogrammable on-board from USB ARM Cortex M0+ at 32 bits, 256KB Flash reprogrammable on-board from USB Begulatory compliance: EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for Electrical Safety, EN45501 for metrology Number of load cells: 1 ÷ 8	Logic output:	2 relays, Max. 48 Vac/Vdc, 2A each
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	Logic input:	
Temperature drift analog output: 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		2 opto-isolated at 12/24 Vdc PNP (external power supply)
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		
Microcontroller: ARM Cortex M0+ at 32 bits, 256KB Flash reprogrammable on-board from USB 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	Serial port:	1 USB device + 1 RS232C + 1 RS485
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	Serial port: Analog output Non-Linearity:	1 USB device + 1 RS232C + 1 RS485 < 0,02%
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
	Serial port: Analog output Non-Linearity: Temperature drift analog output: Power supply: Microcontroller: Data storage: Regulatory compliance:	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 EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for Electrical Safety, EN45501 for metrology

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All the measures indicated are expressed in millimeters (mm)







