

General information

PVS28620191003

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 1.3.12: optimation_weighing_software.zip

Ethercat ECS file: uwt_6008_ethercat_ecs.zip

Technical Manual: uwt-6008_en.pdf

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





SCIGATE AUTOMATION (S) PTE LTD

Business Hours: Monday - Friday 8.30am - 6.15pm



Technical specifications

PVS28620191003

Measuring range: 3.9 + 3.9 m/V Input sensitivity: 0.02 µ/Count Full scale non-Linearity: 0.001% Cain drift: 0.001% FS/PC Display: 1.28 x 64-pixel graphic LCD A/D Converter: 2.4 bits Internal Resolution: 1.60.00.000 points Traducer Input voltage: 5.00 (230 mA max) Frequency signal aduptations: 1.2,5 + 300 Hz Visible resolution (in divisions): 3.993993 Decimal figures range: 0.4 Temperature range: 0.9 4 Eligic injure: 3.20 + 70°C Filter: 5.250 Hz Logic output: 2.0 et +70°C Filter: 5.250 Hz Logic injure: 2.0 et yes will was a 40 wac/vdc, 2A each Logic output: 2.0 et yes, Max. 48 Vac/vdc, 2A each Logic injure: 0.00% Serial port: 0.00% FS / C Analog output Non-Linearity: 0.00% Frequency and riff analog output: 0.00% FS / C Power supply: 0.001% FS / C Power supply: 0.001% FS / C <th></th> <th></th>		
Full scale non-Linearity: < 0.001% FS/°C 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: -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:	Measuring range:	-3.9 ÷ +3.9 mV/V
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 ÷ + 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; EN6100-1 for Electrical Safety, EN45501 for metrolog	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): 99999 Divisions value (adjustable): x1, x2, x5, x10, x20, x50 Decimal figures range: 10 ÷ + 50°C (max. humidity: 85% without condensation) Storage temperature: 20 ÷ 470°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	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 optio-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: 0,000% 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	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): 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: < 0,002% 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	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: -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
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	Internal Resolution:	> 16.000.000 points
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	Trasducer input voltage:	5 Vdc (230 mA max.)
Divisions value (adjustable):x1, x2, x5, x10, x20, x50Decimal figures range:0 ÷ 4Temperature range:-10 ÷ + 50°C (max. humidity: 85% without condensation)Storage temperature:-20 ÷ +70°CFilter:5 ÷ 250 HzLogic output:2 relays, Max. 48 Vac/Vdc, 2A eachLogic input:2 opto-isolated at 12/24 Vdc PNP (external power supply)Serial port:1 USB device + 1 RS232C + 1 RS485Analog output Non-Linearity:< 0,02%Temperature drift analog output:0,001% FS /*CPower supply:12-24 Vdc ± 15% - power consumption 4 WMicrocontroller:ARM Cortex M0+ at 32 bits, 256KB Flash reprogrammable on-board from USBData storage:64 Kbytes expandable up to 1024 KbytesRegulatory compliance:EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for Electrical Safety, EN45501 for metrologyNumber of load cells:1 ÷ 8	Frequency signal acquisition:	12,5 ÷ 300 Hz
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
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: -0,002% 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	Divisions value (adjustable):	x1, x2, x5, x10, x20, x50
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	Decimal figures range:	0 ÷ 4
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		
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
Serial port: 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		
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
Temperature drift analog output: O,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: Logic output:	5 ÷ 250 Hz 2 relays, Max. 48 Vac/Vdc, 2A each
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: Logic output: Logic input:	5 ÷ 250 Hz 2 relays, Max. 48 Vac/Vdc, 2A each 2 opto-isolated at 12/24 Vdc PNP (external power supply)
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	Filter: Logic output: Logic input: Serial port:	5 ÷ 250 Hz 2 relays, Max. 48 Vac/Vdc, 2A each 2 opto-isolated at 12/24 Vdc PNP (external power supply) 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	Filter: Logic output: Logic input: Serial port: Analog output Non-Linearity:	5 ÷ 250 Hz 2 relays, Max. 48 Vac/Vdc, 2A each 2 opto-isolated at 12/24 Vdc PNP (external power supply) 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	Filter: Logic output: Logic input: Serial port: Analog output Non-Linearity: Temperature drift analog output:	5 ÷ 250 Hz 2 relays, Max. 48 Vac/Vdc, 2A each 2 opto-isolated at 12/24 Vdc PNP (external power supply) 1 USB device + 1 RS232C + 1 RS485 < 0,02% 0,001% FS /°C
Number of load cells: 1 ÷ 8	Filter: Logic output: Logic input: Serial port: Analog output Non-Linearity: Temperature drift analog output: Power supply:	5 ÷ 250 Hz 2 relays, Max. 48 Vac/Vdc, 2A each 2 opto-isolated at 12/24 Vdc PNP (external power supply) 1 USB device + 1 RS232C + 1 RS485 < 0,02% 0,001% FS /°C 12-24 Vdc ±15% - power consumption 4 W
	Filter: Logic output: Logic input: Serial port: Analog output Non-Linearity: Temperature drift analog output: Power supply: Microcontroller:	5 ÷ 250 Hz 2 relays, Max. 48 Vac/Vdc, 2A each 2 opto-isolated at 12/24 Vdc PNP (external power supply) 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)	Filter: Logic output: Logic input: Serial port: Analog output Non-Linearity: Temperature drift analog output: Power supply: Microcontroller: Data storage:	5 ÷ 250 Hz 2 relays, Max. 48 Vac/Vdc, 2A each 2 opto-isolated at 12/24 Vdc PNP (external power supply) 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
	Filter: Logic output: Logic input: Serial port: Analog output Non-Linearity: Temperature drift analog output: Power supply: Microcontroller: Data storage: Regulatory compliance:	5 ÷ 250 Hz 2 relays, Max. 48 Vac/Vdc, 2A each 2 opto-isolated at 12/24 Vdc PNP (external power supply) 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

All indicated data may be changed without notice.

All the measures indicated are expressed in millimeters (mm)







