W&T Wiesemann & Theis GmbH

www.WuT.de Networking, sensors and interface technology for industry, office and IT

Data sheet:

Web-IO 4.0 Analog 0-10V

Article no.: 57762

This article has been replaced by model #57162.

Measure, tunnel, output analog signals...

The combined solution for analog in- or output signals brings your measurements into the network and back to the terminal. Use the Web-IO Analog-In/Out to measure analog signals, tunnel them over the network and output them again as analog signals at a remote location.

Properties

Analog connection:

- Two channels, selectably configurable as:
  - **Voltage input:**
    - Input signal: 0..10V, 1MOhm
  - **Voltage output:**
    - Output signal: 0..10V, Imax 20mA

Connectivity:

- **Intuitive Web interface** for simpler configuration
- **Monitor analog measurements and processes from a browser**
- **Alarm and reporting function:**
  - E-mail for alarm or reporting functions
  - SNMP polling / alarm traps
  - Configure up to 12 alarm messages
- **Box2Box mode** tunnels analog signals between two devices
- **Set analog values via socket command or direct entry**
- **Interactive display**, custom scalable
- **Dynamic integration into other Web sites:**
  - Direct access to current measurement values, e.g. JavaScript (AJAX).
- **Current Industry 4.0 protocols:**
  - OPC UA, REST and MQTT support
- **Additional software interfaces for incorporating into your systems/databases:**
  - SNMPv1, SNMPv2c, SNMPv3
  - OPC UA, OPC DA
  - Syslog
  - Sensobase (database integration via ODBC)
  - TCP and UDP sockets, client and server
  - FTP (data logging)
  - Modbus TCP
- **Possible applications:**
  - Connect each sensor with 0..10V output and monitor measurements
  - Control analog actuators over the network
  - Network as extension: tunnel analog values via Box2Box mode
  - Logging of measurements via FTP, Excel file, email attachment and internal memory

Data logger:

- **Internal data logger**
  - Memory capacity: min. 150 days, max. 99 years
  - Save frequency: 15, 30 sec, 1, 5, 15, 60 min
- **Document measurement data online in the W&T Cloud and access** from anywhere in the world
- **Internal clock**
  - Time synchronization via time server calibration
  - Battery-backed device clock

Standards & more

- **Supply voltage via Power-over-Ethernet (PoE)**
  - Phantom power using data pairs
  - Power over unused wire pairs
  - External power supply is an alternative
- **Conforms to standards both in office and industrial environments:**
  - High noise resistance per EN 61000-6-2
  - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3
- **5 year guarantee**

Wish for something!
Your suggestions for improvement and additions

Technical data

Connections and displays:

Voltage input:	0..10V, 1MOhm
Voltage output:	0..10V, Imax 20mA Connectable Sense line Short circuit protected
Analog in-/output:	8-pin terminal block Conductor cross-section 0.2-1.3mm² Stripped length 6-8mm
Network:	10/100BaseT autosensing RJ45 IPv6 on request
Galvanic isolation:	Measurement inputs to network: min. 1500 volts
Power supply:	Power-over-Ethernet (PoE) or DC 12V .. 48V (+/-10%)
Current consumption:	PoE Class 1 (0.44 - 3.84W) typ. 100mA @ 24V DC with external supply
Displays:	1 LED power 2 LEDs network status 4 LEDs status and error

Measuring unit:

Resolution:	Voltage input: 1.25mV
Measuring error:	max. 0.5% FSR (Full Scale Range 0..10V) T_A = 0-60°C
Storage frequency:	15, 30 sec., 1, 5, 15, 60 min
Storage depth:	min. 150 days, max. 99 years
Measurement value acquisition (can be polled over the network and can generate alarms if desired):	2/second

Housing and other data:

Housing:	Plastic compact housing for top-hat rail mount 105x22x75mm (LxWxH)
Enclosure rating:	IP20
Weight:	approx. 140 g
Ambient storage temperature:	-40..+70°C
Ambient operating temperature:	0 .. +60°C

Scope of delivery: 1x Web-IO Analog-In/Out 2x 0..10V PoE
for DIN rail mount
1x Quick Guide in German/English

Accessories

		*Net unit price for commercial users
Power supplies		
Plug-in power supply, 24V / 500mA DC with Euro plug	11021	21.00 €
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	38.00 €
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00 €
Storage and Visualization		
logic.hub	50506	598.00 €
Mechanical Accessories		
Mounting bracket for wall mounting	58812	11.20 €
19" DIN rail	58813	21.00 €
Supplementary network products		
Ethernet Switch Gigabit Industry, 4 Ports	55614	148.00 €
Software		
WuTility	00104	free
OPC Server	00103	free
Sensobase®	00107	free

* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.

Secure connection:

Allianz für Cyber-Sicherheit Teilnehmer

VDE CERT

We are available to you in person:

W&T
www.WuT.de
Wiesemann & Theis GmbH
Porschestr. 12
42279 Wuppertal

Phone: +49 202/2680-110 (Mon.-Fri. 8 a.m. to 5 p.m.)
Fax: +49 202/2680-265
info@wut.de

© Wiesemann & Theis GmbH, subject to mistakes and changes: Since we can make mistakes, none of our statements should be applied without verification. Please let us know of any errors or misunderstandings you find so that we can become aware of and eliminate them.