

Data sheet:

## Web-IO 4.0 Analog 0-10V



Article no.: 57762

**EUR 338.00**

\*Net price for commercial users

### 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, 1MΩ
  - **Voltage output:**
    - Output signal: 0..10V, I<sub>max</sub> 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](#)

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## Technical data

### Connections and displays:

Voltage input:	0..10V, 1M $\Omega$ m
Voltage output:	0..10V, I <sub>max</sub> 20mA Connectable Sense line Short circuit protected
Analog in-/output:	8-pin terminal block Conductor cross-section 0.2-1.3mm <sup>2</sup> Stripped length 6-8mm
Network:	10/100BaseT autosensing RJ45 <a href="#">IPv6 on request</a>
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 <sub>A</sub> = 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

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## Accessories

\*Net unit price for  
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### 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

Motherbox 3	50504	328.00€
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### 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€
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### 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.

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