

Data sheet:

## Web-IO Analog-In/Out 2x 0..10V PoE



Article no.: 57662

This article has been replaced by the expanded successor model [Web-IO 4.0 Analog 0-10V](#).

- Contact
- Firmware
- Manual
- FAQs
- Tools
- Applications

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.

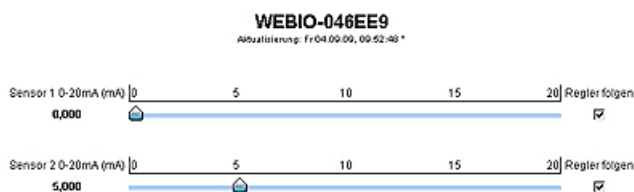
### Properties

#### Analog connection:

- Two channels, selectably configurable as:
  - **Voltage input:**
    - Input signal: 0..10V, 1M $\Omega$
  - **Voltage output:**
    - Output signal: 0..10V, I<sub>max</sub> 15mA

#### Connectivity:

- **Monitor analog measurements and processes from a browser**
- **Alarm and reporting function:**
  - E-mail for alarm or reporting functions
  - SNMP polling / alarm traps
  - Up to 8 alarm messages can be configured
- **Box2Box mode** tunnels analog signals between two devices
- **Set analog values via socket command, direct entry or slider**



- **Interactive display**, custom scalable
- **Dynamic integration into other Web sites:**
- Direct access to current measurement values via AJAX, JavaScript and Java applet
- **Additional software interfaces for incorporating into your systems/databases:**
  - OPC server
  - 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
  - Direct display of multiple measuring points in the browser via Java applet
  - 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: 15s, 30s, 1m, 5m, 15m, 60m
- **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 for industrial environments
  - Low noise emission for residential and business areas
- **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, 1MΩ
Voltage output:	0..10V, I <sub>max</sub> 15mA
Network:	10/100BaseT autosensing IPv6 on request
Galvanic isolation:	Measurement inputs to network: min. 500V
Power supply:	Power-over-Ethernet (PoE) or via screw terminal with DC 18V .. 48V (+/-10%)
Current consumption:	typ. 100mA @24VDC, 60mA @48VDC max. 120mA @24VDC, 70mA @48VDC PoE Class 1 (0.44 - 3.84W)
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
Memory depth:	min. 150 days, max. 99 years
Deviation of the internal clock:	max. 4.32 min. / month (without time server calibration) max. 3 sec. (with time server calibration)

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
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 product CD with WuTility management tool, OPC server, programming examples for VB/Delphi, SNMP-MIB, reference manual in German/English

[We are available to you in person:](#)

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