

# Data sheet: Web-IO Analog-In/Out 2x 0/4..20mA PoE



Article no.: 57661

This article has been replaced by the expanded successor model Web-IO 4.0 Analog 0-20mA.

# 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:
  - Current input:
    - Input signal: 0/4..20mA active/passive
- Current output:
  Output signal: 0/4..20mA

### 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

# WEBIO-046EE9



- Active current input 0/4-20mA
- 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 0/4..20mA 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 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:

Current input passive:	0/420mA, 100Ohm
Current input active:	0/420mA, burden max. 500Ohm, active voltage Umax 14V / 40mA
Current output:	0/420mA, burden max. 500 Ohms, supply 10V guaranteed
Current loop monitoring:	Short circuit protected and open-loop detection
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:	Current input: 2.5µA
Measuring error:	max. 0.5% FSR (Full Scale Range 020mA) $T_A = 0.60^{\circ}C$
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	2 / second

desired):

Enclosure rating: IP20

Ambient storage temperature: -40..+70°C

Ambient operating temperature: 0

Scope of delivery: 1x W

0...+60°C 1x Web-IO Analog-In/Out 2x 0..20mA 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



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