

## Description

- **MESAS tetra ethernet** is an extremely flexible interface with 4, 8, 12 or 16 input ports for various types of transducers and analogue voltage.
- The interface box is connected to the standard Ethernet adapter port of a Microsoft Windows 10 or 11 computer.
- COM Objects or SOAP or Telnet allow reading measurement inputs into third-party software like Microsoft Excel VBA applications.



example

### YOUR ADVANTAGE

- Huge variety of connectable measuring equipment
- Flexibility of a modular system.
- High speed and precision, real time scanning of several inputs (e.g. 1140 measured values/s for a 4 channel interface box)
- Fits to any Microsoft Windows 10 and 11 computer with RJ45 Ethernet adapter

## Software

- Drivers, Test program and communication software providing COM objects for in-process and out-of process communication with third-party software, like Microsoft VBA applications, Visual C, Borland Delphi etc.
- Software requirements:
  - Operating system e.g. Microsoft Windows 10 or 11.
  - MESAS MQMD software or third-party software programmable for processing of COM objects.
  - This software is not included in the standard delivery.

## Technical Data

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<b>Measuring inputs:</b>	<u>Transducer inputs for LVDT, Halfbridge:</u> Resolution: 0,1 $\mu$ m, Range +/- 2mm Brands: Solartron, IET, Marposs, Mahr, Tesa ... others on request
	■ <u>Analogue inputs:</u> Voltage DC +/- 5V, +/- 10V, 0-5V, 0-10V ... others on request
<b>Power:</b>	4/8/12/16 channel: external AC adapter (110-240V IN, 50-60Hz, 1A, 12 V OUT) Galvanic isolation 1000 V
<b>Interface:</b>	■ Ethernet (TCP/IP), web services(SOAP)
<b>W x H x D:</b>	■ 4 inputs : approx. 125 x 60 x 96 mm ■ 8/12/16 inputs : approx. 260 x 96 x 180 mm
<b>Weight:</b>	■ 4 inputs : approx. 0,5 kg ■ 8/12/16 inputs : approx. 3,5 kg
<b>Protection type:</b>	■ IP 54, NMEA
<b>Cables:</b>	■ Power cord 2 m, AC adapter cable 1,4 m ■ Data cable RJ 45 Ethernet Cat 5 length up to 40 m, standard 2.5 m