

## Description

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- **MESAS tetra USB** 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 USB port of a Microsoft Windows 10 or 11 computer.
- COM Objects allow to read measuring inputs into third-party software like Microsoft Excel VBA applications.



examples

### YOUR ADVANTAGE

- Huge variety of connectable measuring equipment
- Flexibility of a modular system.
- High Speed Precision Measurement
- Fits to any Microsoft Windows 10 and 11 computer with USB 1.1 or 2.0 Type A interface

## Software

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- 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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### Measuring inputs:

- Transducer inputs for LVDT, Halfbridge:  
Resolution: 0,1  $\mu$ m, Range +/- 2mm  
Brands: Solartron, IET, Marposs, Mahr, Tesa  
... others on request
- Analogue inputs:  
Voltage DC +/- 5V, +/- 10V, 0-5V, 0-10V  
... others on request

### Power supply:

- 4 inputs : powered by USB
- 8/12/16 inputs : External AC adapter  
(110-240V IN, 50-60Hz, 1A, 12 V OUT)

### Interface:

- Microsoft Windows USB 1.1 and 2.0

### W x H x D:

- 4 inputs : approx. 125 x 60 x 96 mm
- 8/12/16 inputs : approx. 260 x 96 x 180 mm

### Weight:

- 4 inputs : approx. 0,5 kg
- 8/12/16 inputs : approx. 3,5 kg

### Protection type:

- IP 54, NMEA

### Cables:

- Power cord 2 m, AC adapter cable 1,4 m
- Data cable 2.5 m with USB A connector
- (max. 5m for 4-channel interface)

## Options

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- 16 opto inputs / 16 driver outputs (not available for small 4-channel box)