

Short description

- The **wireless** measuring interface **MESAS tetra Bluetooth** is a modular interface with 4, 8, 12 or 16 input ports for various types of transducers (Halfbridge / LVDT) and analogue voltage.
- The modular conception of MESAS tetra Bluetooth provides a lot of flexibility due to the fact that up to 4 different types of measuring devices can be combined in one box.
- The receiver, of the size of a memory stick, is plugged into the USB interface of a Windows PC.



example

Wireless transmission of measuring data from the interface box to the measuring computer **by Bluetooth technology**.

YOUR ADVANTAGE

- No wires between measuring interface and computer
- Transmission range 80 m
- up to 16 inputs for connecting to any standard transducers
- Static and dynamic measurement.

RANGE OF APPLICATION

- Any measuring task, where a high degree of mobility is needed.
- Any application, where the measuring gauge needs to be taken to the parts to be measured.

Highlights

- Mobile transmission by "Bluetooth network"
- Easy handling
- 16 inputs for connecting to any standard inductive probe
- Powered by rechargeable battery
- Static and dynamic measuring

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, e.g. Microsoft Excel
(This software is not included in the standard delivery.)

Technical Data

Measuring inputs:

- Transducer inputs for Halfbridge/LVDT:
Resolution: 0,1 µm, 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:

- built in AC power supply
- option: Built in battery with AC charging unit

Interface:

- Microsoft Windows USB 2.0

Connection cable:

- Power cord 2 m for charging unit

Sizes (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. 500 g
- 8/12/16 Inputs : approx. 3.500 g

Protection type:

- IP 54, NMEA

Transmission range:

- 80 m, 360°