

Description

Wireless transmission of measuring data from gage to measuring computer by Bluetooth technology

The advantages are obvious:

- No wiring effort
- Transmission of measuring data coming from up to 16 inductive transducers (Halfbridge/LVDT) or analogue voltage
- Just plug the transmitter to the probe and go!
- The receiver, of the size of a memory stick, is connected to a computer



Application Example:
Diameter and depth on a transmission housing with 12 transducers

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

Application example

Entire transducer interface with Bluetooth sender/receiver unit, including rechargeable battery, (Size approx. 25 h x 9 x 9 cm / 10 x 3,6 x 3,6 in.)

fixed to

a measuring gauge for diameter / depth measurement with 12 inductive probes

(The rechargeable battery is loaded through a charging unit, which is fitted to the gauge's depository.)



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:

- powered by rechargeable battery
- external charging station 110-240V AC
- Microsoft Windows USB 1.1 and 2.0
- Power cord 2 m, Recharger unit connector cable 1,4 m

Interface:

Cables:

W x H x D:

Weight:

Protection type:

Transmission range

- approx. 25 x 9 x 9 cm / 10 x 3,6 x 3,6 in.)
- approx. 770 g, (27 oz.)
- IP 54, NMEA
- 80 m (240 ft.), 360° angle