

**4411 4-channel USB measuring unit
for rail mounting**
with profibus interface; power supply 24 V DC

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The measuring unit 4411.600.0 collects the measuring values of max. 4 inductive transducers and reads out the values in binary coding via the profibus interface. When connected to a PC via the USB interface, the unit switches into the mode „USB sub-system“ and offers the respective functions (cf. section 7.).

1. Display / connection elements

Front view / rear view



- X1-X4 Input inductive tracers +/-2mm or +/-1mm
- X5 Profibus interface to PLC
- X6 Input power supply
- X7 USB interface
- L1 Status lamp: flashing = USB mode
- L2 Status lamp measuring inputs: steady light = i.O.
- L2 Status lamp profibus: steady light = i.O.
- Term.: Switchable ferrule resistor for the PROFIBUS
- Diag: LED status displays
 - bottom right - green ON = PROFIBUS active
 - bottom left - red ON = PROFIBUS passive
- Adr.: Address switch (range 00-99) covered by protective caps
 - x01 = unit position
 - x10 = decade

2. Technical data

WxHxD: 80mm x 130mm x 128mm

Weight: approximately 900g

4x inputs for inductive tracers +/-2mm QET-4124 or +/-1mm QET-4001 (2)

Profibus interface to PLC; USB interface to the PC

3. Power supply

The power supply input +24V, +/-5% is accessible via the plug-in connector (X6).

Power input approx. 140mA.

4. PROFIBUS interface X5

9-pole plug SUB-D in PROFIBUS standard

5. USB interface X7

USB 2.0

6. Allocation of measuring amplifier inputs

5-pole plug, Fabr. Binder series 680

Power supply: 3V, 9,8kHz AC

Pin	Meaning
1	output supply A
2	ground
3	single input
4	not used
5	output supply B

7. USB sub-system

Functions:

Single inquiry of measuring inputs

Setting of output bits, reading of input bits profibus

Setting of output words, reading of input words profibus

For dynamic measurements, data logging in the memory of the sub-system.

For dynamic displays (continuous tracer display), an inquiry of the measuring inputs as group.

Max. number of measuring values in the memory: 15808

8. Data exchange via profibus

