

Cable tester PROFtest II XL

Function

PROFtest II XL is a handy and easy-to-handle tool for checking the correct cabling in PROFIBUS networks with RS-485 transmission technique. By using PROFtest II, you will have a quick and simple overview on the actual wiring state either when starting up the system or carrying out a maintenance job. Measurements are normally performed off-line, i.e. without using the PLC/PROFIBUS master. So PROFtest II is looped through either at the start or the end of the line (see fig.2). This step is easy to handle and menu driven. To operate PROFtest II, you need not require any special expertise. The most frequently used menu point is the sheer line test. The measurement is carried out in three steps as follows:

- Test without a termination
- Test with one termination
- Test with two terminations

The error is directly displayed with the line length pinpointed in meters measured from the measuring position. The detected data is represented in a measuring record which can be stored in the device or read out by a PC terminal program (see fig. 3). When using PROFtest II XXL version, a master function has been integrated, where as PROFtest II XXL-Online features an additional XXL-online function.

Technical data

- Applicable for PROFIBUS using RS-485 transmission technique
- Baud rate: 9,6 kbps to 12 Mbps
- Power supply according to either supplied accumulators or power pack
- Dimensions (L x W x H): 230 x 98 x 53 mm

Measuring results - Fault messages

- Display of actually laid line length
- Baud rate scan
- Line impedance measurement
- Correct termination
- Line interruption
- Shield interruption
- Mixed-up lines A-B
- Short circuit line A-B
- Short of line A/B - shield
- Using wrong line types
- Determining reflections
- Non-admissible spur line lengths
- List of all devices accessible at bus
- Transmission/Receiving level

Scope of delivery

- Plastic transport case
- PROFtest II XL
- Adapter for mains operation plus two rechargeable batteries
- Serval adaptors for PROFIBUS connection
- PROFtest II XL Manual

Ordering details	Art. No.
PROFtest II XL – Basic device	110010005
Extension DP master function	110010007
Extension online function	110010008
Extension DP master and online function	110010006



PROFtest II XL



Measurement

Analysis result for test without termination
No error !

 Irregularity A <-> B not determinable
 Irregularity A <-> shield not determinable
 Irregularity B <-> shield not determinable
 Breakout or impedance change not determinable
 Cable break not determinable
 Cable OK
 Impedance approx. 145 ohm
 Cable length approx. 159 m

Measurement report