

Cable tester ETHERtest V5.1

General information

The cable tester **ETHERtest V5.1** is an indispensable measuring device to check, document and certify the network infrastructure for Ethernet, PROFINET, EtherCAT and optionally for fiber optics. It is easy to use and menu-driven (8 languages available).

Function

The ETHERtest V5.1 is capable of evaluating all necessary measurements for the certification and acceptance test of network cables up to class FA/category 6A (1000 MHz). The line length attenuation, crosstalk, resistance, delay, shield and the correct pin assignment are detected and evaluated metrologically. The Cat 5e measurement commonly used in practice is carried out within 9 seconds. In addition to the certification of copper lines it is possible to carry out attenuation and OTDR measurements of multimode and singlemode fiber optic cables by using an additional adapter. All measurement results are displayed graphically, whereby the type and location of errors can be identified exactly to the decimeter. All measurements are stored automatically in an internal memory and can be retrieved in the form of a measurement report by a software program.

Technical data

- Max. test frequency: 1,000MHz
- Test standards
 - ISO/IEC11801: Class C, D, E, EA, F and FA
 - TIA 568: Kategorie 3, 4, 5, 5e, 6, 6A
- Measurement range: 150 m
- Resolution: 0,1 m
- Accuracy: $\pm 0,3 \text{ m} + 2 \%$
- Internal memory: ca. 12000 CAT 6A measurements

General data

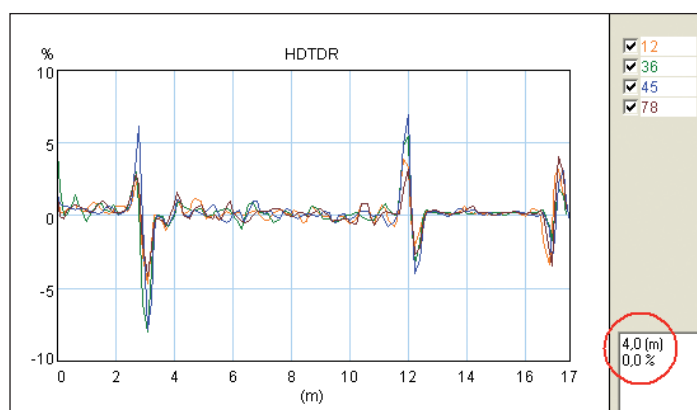
- Dimensions (H x W x D): 279,4 x 133,3 x 66,7 mm
- Typ. battery life: 8 h
- Operating temperature: 0°C to +45°C
- Storage temperature: -20°C to +50°

Scope of delivery

- Main device
- Remote device
- Carrying case
- 2x RJ45 CAT 6A/Class EA permanent link adapter
- 2x RJ45 CAT 6A/Class EA channel adapter
- Technical manual + software CD



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Fault localization

This picture shows conspicuous points of reflection displayed incl. distances

Ordering Details

Art. No.

ETHERtest V5.1 (extendable for FOC)

112010011

Accessories

M12 Adapter set for ETHERtest V5.1

112020015

TERA Class FA adapter set for ETHERtest V5.1

112020016

GG45 Class FA adapter set for ETHERtest V5.1

112020017

Attenuation fiber optics adapter set singlemode

112020020

Attenuation fiber optics adapter set multimode

112020021

Attenuation fiber optics adapter set single-/multimode

112020022

OTDR fiber optics adapter singlemode

112020023

OTDR fiber optics adapter multimode

112020024

OTDR fiber optics adapter single-/multimode

112020025