

DATASHEET

WireXpert Copper- and Fiber Optic-Cable Certifier up to 2500MHz



General data

For standard conformance measurement of structured cabling in buildings
 Certification up to 2500 MHz
 Support new TIA CAT 8 und ISO Class I and II draft standard
 Operating concept Dual Control System (DCS™) with two identical hand tools
 Autotest in less than 9 Seconds
 Professional documentation generator
 Impact-resistant housing, impact and shock-proof design, long battery life
 Complete glass fiber certification for MM and SM with optional fiber optic measuring adapters
 Supports two-wavelength end-to-end measurements for MM and SM glass fibers

General Specifications

Interfaces: Probe Interface, RJ-45 Ethernet, USB host and device, talkset, power jack

Display: 6" industrial LCD, touch sensitive area on both units

Enclosure: Ruggedized plastic with rubber over-mold, withstands 1.5m drop test on hard surface

Remote unit abilities: View test results, save tests, start autotest

Power supply: AC 100-240V to 12V, 3A power adapter

Input over-voltage protection: Protected against Telco voltages

Battery: Removable and rechargeable Li-Ion

Battery Capacity: >8 hours continuous operation

Internal Storage Capacity: 2000 copper test results with full plot information

External Storage: USB Flash Drive 1 GB in delivery (21 GB max.)

Supported Languages: Chinese, Czech, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Swedish, Turkish

Calibration period: 1 year

Dimensions: 232 X 126 X 87 mm³ (9.1 X 5.0 X 3.4 inch³) /unit

Weight: Approx. 1.4 kg (3.0 lb) / unit

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Environmental

Operating Temperature: 0 to 40 °C

Storage Temperature: -20 to 60 °C

Relative humidity: 10% to 80%

Copper testing

Certification Testing: TIA 568-C.2 CAT 5e, 6, 6A, draft CAT 8

ISO/IEC 11801, EN 50173 Class D,E,EA,F,FA

draft Class I and Class II Permanent link and channel

CAT 5e, 6, 6A, 7, 7A and patch-cord

Autotest time - CAT6A: 9 sec

Autotest time - Class FA: 15 sec

Max cable length for dual ended Autotest: 500m

Insertion Cycles: Channel: 10000 typical

Permanent link: 5000 typical

Advanced Diagnostics: Time-domain fault Locator for RL and NEXT

Measurement Accuracy: Exceeds TIA 1152 Level IIIe, IEC 61935 level IV

Measurement Frequency Range: 1- 2,500 MHz

Fiber Testing - SM

Wavelengths 1310nm, 1550nm

Autotest Time: 6 seconds for dual ended test

Connector Type: SC, LC (optional adapter needed)

Fiber Testing - MM

Wavelengths: 850nm, 1300nm

Autotest Time: 6 seconds for dual ended test

Connector Type: SC

Scope of delivery:

WireXpert Handheld units: 2

Li-Ion Batteries: 2

Stylus with Cords: 2

Display Protection Covers: 2

CAT 6A Permanent Link Interface Adapters: 2

CAT 6A Permanent Link Test Cords: 2

CAT 6A Channel Adapters: 2

USB Thumb Drive incl. Manual and Software: 1

Talk Head Sets: 2

AC Power Adapters: 2

Country Specific Power Cord: 2

Calibration Certificate: 1

Carrying Case: 1

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Quick Reference Guide: 1

Technical properties

Measured value memory	Ja
Suitable for network protocol measurement	Ja
Type of indication	LCD/monitor
With PC/printer interface	True

Available variants

ArtNr.	Bezeichnung	Suitable for
WX4500-FA-V2	WireXpert Copper- and Fiber Optic-Cable Certifier up to 2500MHz	Twisted Pair

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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