

# WireXpert 500



## Affordable certification for range entry-level

WireXpert 500 is a cost-effective, upgradeable cable certifier that grows with your cable certification needs. Invest today only in the options you really need. You can then upgrade the device later if required.

### QUICK AND EASY FOR MAXIMUM PRODUCTIVITY

WireXpert 500 performs a class E<sub>A</sub> certification test in just a few seconds. It offers intuitive navigation via on-screen menus and generates professional reports via the supplied eXport PC software.

### USER-FRIENDLY, VERY ROBUST DESIGN

WireXpert 500 has a high-contrast, touch-sensitive color LCD screen with intuitive user guidance and is designed for constant use in the industry. The Dual Control System (DCS™) simplifies and speeds up the measurement process as it comprises two identical handheld devices, local and remote. Whether you work in coordination with two people or alone, you save yourself the extra travel between the cable outlets.

### FEATURES

- Certifications up to 500MHz
- Acceptance measurements according to cabling standards - Class D/E/E<sub>A</sub> & Category 5e/6/6A
- Meets TIA and ISO Level III accuracy requirements, ETL verified
- Industrial Ethernet testing with RJ45 and M12 connectivity, E2E link testing
- Advanced reporting and documentation
- Cost-effective cable certifier for on-site cabling and Industrial Ethernet



Parameters	Spécifications
<b>COPPER TESTING</b>	
Certification testing	TIA 568-D.2 CAT 5e, 6, 6A, 1005A, MPTL, ISO/IEC 11801 series, EN 50173 Class D, E, E <sub>A</sub> , Permanent Link and Channel, CAT 5e, 6 and 6A patchcable
Max cable length for dual-ended Autotest	500m
Insertion cycles	Channel: 10 000 (typical), Permanent Link: 5000 (typical)
<b>TEST PARAMETERS</b>	
Wiremap	TIA 568A and 568B, crossover variants
Loop Resistance	0 to 40Ω, ± 0.1Ω
Length	0 to 500m, ± 0.5m (dual-ended testing)
Propagation Delay and Delay Skew	0 to 5000ns, ±1ns
Attenuation	0 to 70dB, ± 0.1dB
Pair-to-Pair and Power-Sum NEXT	0 to 85dB, ± 0.2dB
Pair-to-Pair and Power-Sum ACRF	0 to 85dB, ± 0.2dB
Return Loss	0 to 40dB, ± 0.2dB
ACRN, PSACRN	0 to 85dB, ± 0.5dB
Advanced diagnostics	Time-domain fault Locator for RL and NEXT
Measurement accuracy	Exceeds TIA 1152A Level IIIe and IEC 61935-1 Level IIIe
Measurement frequency range	1 - 500MHz
<b>GENERAL SPECIFICATIONS</b>	
Interfaces	Probe Interface, RJ45 Ethernet, USB host and device, talkset, power jack
Display	5" 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 / DC 12V, 3A power adapter
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
Dimensions	232mm x 126mm x 87mm (8.7 x 4.3 x 2.1 inch)
Weight	Approx. 1.4kg (3lb)/unit
Supported languages	tw, cs, en, fi, fr, de, it, ja, ko, pl, pt, ru, es, sv, tr
Calibration period	1 year
<b>ENVIRONMENTAL</b>	
Operating temperature	0 to 40°C
Storage temperature	-20 to 60°C
Relative humidity	10% to 80%
<b>MINIMUM SYSTEM REQUIREMENTS FOR REPORTING SOFTWARE</b>	
Microsoft Windows 10/11, 32 or 64bit	Intel Core i3, 2.4GHz and higher
200MB of free disk space	1GB RAM
Microsoft.NET Framework 4.0	



## ORDERING INFORMATION

Article number **228071**

### WireXpert 500

#### Scope of delivery:

- 2 identical devices (LOCAL and REMOTE) with Dual Control System - DCS™
- 2 Li-Ion batteries
- 2 power supplies, 2 power cables
- 1 calibration certificate
- 1 eXport reporting software
- 2 Cat 6A Channel adapter
- 2 Cat 6A Permanent Link adapter with test cords
- 2 talksets
- 1 USB stick
- 1 quick start guide
- 1 soft carry case

Optional adapters available - see adapter data sheets

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