specification

Agilent Technologies
Innovating the HP Way

Features

- Certifies compliance of installed LAN cabling to proposed TIA Category 6 and ISO Class E standards

- Hardware and software upgrade path beyond Category 6 / Class E

- Accuracy beyond TIA and ISO level III requirements traceable to laboratory reference standards

- Tests fiber optic cabling via optional Fiber SmartProbe attachments

- Expandable test result storage on removable CompactFlash™ memory cards

- Included ScopeData Pro software produces professional quality graphical test reports

- Easy to use color touch screen interface minimizes training requirements

- Talkset support improves coordination within testing teams

Ready for Category 6 and Beyond

The Agilent WireScope 350 provides comprehensive support for all current and emerging LAN cable certification standards. A fully modular design allows for both software and hardware upgradeablity to ensure maximum support for future LAN and cabling standards beyond Category 6 / Class E. Offering outstanding test performance, ease of use and reporting, the WireScope 350 is the ultimate tool for LAN and cabling professionals.

Superior Measurement Performance

With a 350 MHz test frequency range and measurement accuracy beyond the draft TIA level III specification, the WireScope 350 hardware substantially exceeds the proposed requirements for Category 6 / Class E certification testing. A full vector network analyzer (VNA) design supports advanced calibration and diagnostic analysis capabilities. Uniquely, the WireScope 350 provides result accuracy that is explicitly correlated and traceable to industry-standard Agilent laboratory analysis systems.

Color User Interface

A bright color touch screen simplifies navigation through menus and improves comprehension of test result data, resulting in faster operation and reduced training times. Setup instruction screens assist the operator when configuring test options, minimizing the chances of inadvertently testing to the wrong limits. All settings can be defined on a PC and downloaded in a single operation, speeding the process of configuring multiple WireScope 350 sets for the same job site testing requirements.

Professional-Quality Reports

As the complexity of cable testing standards increases, it becomes more challenging to clearly present test result data. The WireScope 350 solves this problem with professionally designed report layouts which include plots of test data, facilitating at-a-glance analysis of cabling quality and headroom vs. limits. The WireScope 350 test memory can be expanded with removable CompactFlash™ memory cards to support plot storage for all tests.

Specifications

Test Parameters

Supported frequency range: 1-350 MHz
Accuracy: Proposed TIA Level III accuracy

Supported Tests

- Near End Crosstalk (NEXT): Results displayed in pair to pair and/or PowerSum format
- Attenuation
- Equal Level Far End Crosstalk (ELFEXT)
- Return Loss
- Ambient Noise: Plots noise versus frequency
- Wire Map: Identifies miswires, shorts, opens, reversals and split pairs. Detects shield continuity.
- Cable Length: Measures length of each pair and distance to faults
- Propagation Delay: Reports total delay and delay skew between pairs
- Loop Resistance

Test Standards

- Proposed TIA Cat 6 and ISO Class E
- Proposed ISO Class F tested to 350 MHz
- TIA Cat 5E (TIA-568-A-5, TIA-568-B.2)
- TIA TSB-95
- TIA Cat 3, 4 and 5 per TIA TSB-67
- ISO-IEC 11801 Amendment 2 and EN 50173 Class C and D: Permanent Link and Channel
- Australia/NZ Class C, D, E and F (to 350 MHz)
- UTP, STP, SCTP, coaxial and twinax cabling
- IEEE: all Ethernet 802.3 UTP and fiber PMD interfaces including 1000BASE-T; other 802.x PMD interfaces including token ring and demand priority
- ATM: all UTP and fiber PMD interfaces
- ANSI: FDDI and CDDI interfaces

Please refer to www.wirescope.com for additional information regarding supported test standards

Memory
CompactFlash™ memory allows for flexible test record storage. Type II Compact Flash card slot.

Power
Removable/Rechargeable NiMH batteries

Dual Remote
Included as part of WireScope 350 Product Kit; Provides all required testing from the far end of the cable.

Interface
2.38" x 6.25" (6 x 16 centimeters) touch-sensitive color LCD display screen

Dimensions
Size: 9" x 4.5" x 2.6" (22.8 x 11.4 x 6.6 centimeters)
Weight: 2.6 lbs. (1.2 kilograms)

Ports
Intelligent Test Port
Serial Port
Universal serial bus
Talkset interface: 3.5 mm stereo jack

Specifications subject to change without notice

Ordering Information

WireScope 350 Product Kit Contents:
(1) WireScope 350, (1) DualRemote 350, (1) Nylon Carrying Case, (2) Hanging Straps, (2) AC Power Supplies, (1) ScopeData Pro Software, (2) Cat 5E Basic Link Probes, (2) Cat 5E Channel Probes, (1) ScopeData Pro User Guide, (1) WireScope 350 User Guide, (1) Serial Cable

Model	Description
N2600A-100	WireScope 350 Product Kit (110 V Version)
N2600A- 200	WireScope 350 Product Kit (220 V Version)

Optional Probes and Accessories

N2594A-013	Category 5E Link Probe
N2594A-014	Category 5E Channel Probe
N2594A-012	Shielded Cat 5E Link Probe
N2604A-200	Coax Test Probe
N2605A-135	Removable battery pack
N2605A-134	Hard carry case
N2605A-137	Talkset Kit
N2605A-093	CFlash Memory Module (32MB)
N2605A-095	CFlash Memory Reader
N2605A-097	USB Cable

Please refer to www.wirescope.com for the latest up-to-date Category 6 probe ordering information

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