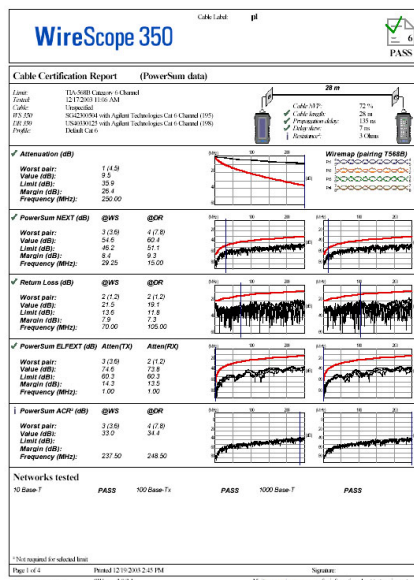# Agilent Technologies

Agilent WireScope™ 350
High Performance Cable Certification Tool

Features

- Certifies compliance of installed LAN cabling to all current standards including TIA Cat 3, Cat 5, Cat 5e, Cat6 and ISO Class D, and Class E standards
- Accuracy beyond TIA and ISO level III requirements over a 350MHz frequency range
- Tests fiber optic cabling via optional Fiber SmartProbe attachments
- Cat 6 Channel and permanent link adapters guarantee high accuracy with eACT- Enhanced Auto Cancellation Technology (Patent pending)
- Expandable test result storage on removable CompactFlash™ memory cards
- ScopeData Pro, the PC software for Cable results management and Test Configuration management is available free
- ScopeDataPro allows defining and re-certifying to new standards saving huge re-testing efforts
- Easy to use color touch screen interface minimizes training requirements
- High speed data transfer via USB interface
- Intelligent diagnostic tools that identify faults and exact locations
- Configurable Operation modes for different levels of operator expertise
- Talkset support improves coordination within testing teams
- Include Network Performance testing at a small additional cost (FrameScope™ 350 in cable test configuration)

One Answer to All Cable and Fiber Testing Needs

The WireScope™ 350 cable tester provides high performance permanent link and channel test probes for UTP, STP, ScTP or coax copper cabling. The Fiber SmartProbes provide certification testing both multimode and single mode fiber cables while also providing low cost optical power meter and light source functionalities.

Superior Measurement Performance with eACT Technology

WireScope™ 350 is based on frequency domain testing, the same principle used by the world's most accurate Network Analysers. It's unmatched hardware accuracy is further augmented by state-of-the-art software algorithms including a novel patent pending eACT algorithm to automatically cancel the interface and adapter effects from the test results. This automatic and dynamic compensation assures superior repeatability and accuracy with continuous usage of the instrument.
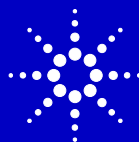
Defining Ease of Use

WireScope™ 350 's user interface consists of a big LCD color display. This, aided by the touch-screen simplifies navigation through menus and improves comprehension of test result data, resulting in faster operation. Setup instruction screens assist the operator when configuring test options, minimizing the chances of inadvertently testing to the wrong limits. When you are at the remote end of the cable, the DualRemote™ 's LED indicators display the progress of tests, causes of test failures and at which end the test failed.

Downloadable Test Profiles

All test 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 and the PC software ScopeData Pro solve this problem with professionally designed report layouts that include plots of test data, facilitating at-a-glance analysis of cabling quality and margin vs limits. The WireScope™ 350 test memory can be expanded with removable CompactFlash™ memory cards to support plot storage for all tests.

Choose Agilent! The leading provider of components, test, measurement, monitoring, and management solutions for the communications industry.

Agilent Technologies

WireScope 350

To learn more, contact

Agilent Sales at:

+1 (800) 829-4444 Phone

+1 (800) 829-4433 Fax

www.agilent.com/comms/wirescope

WireScope™ Specifications

Test Parameters

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

Supported Tests

Near End Crosstalk (NEXT): Pair-to-pair/ 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 lengths and distance to faults
Propagation Delay: Reports total delay and delay skew between pairs
Loop Resistance

Test Standards

- TIA 568-B.2-1Cat 6 and ISO Class E
- TIA 606a
- TIA 568B Cat 3 and 5E
- ISO-IEC 11801 2nd edition and EN 50173 Class C and D: Permanent Link 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

Memory

- Internal flash memory
- CompactFlash™ memory card slot

Power

Removable/Rechargeable NiMH batteries

Dual Remote

Included as part of WireScope™ 350 Product Kit; checks progress of test, LED indicators highlight exact failure points

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.