PentaScanner with 2-Way Injector is the most accurate Category 5 cable tester available.

If you are evaluating a new Category 5 tester, then look no further than the company that invented handheld cable testing, PentaScanner with 2-Way Injector sets the standard for LAN cable testing, certification and accuracy.

Network Analyzer Accuracy in the Palm of Your Hand

Buy your Level II Category 5 tester from the undisputed market leader, and be assured of getting a tool which far exceeds EIA/TIA TSB-67 Level II accuracy requirements. PentaScanner’s superior accuracy is the result of years of accumulated knowledge and experience testing and certifying network cabling systems. In fact, PentaScanner is the only Category 5 cable tester that provides accuracy that is indistinguishable from a network analyzer.

Complete, Accurate Cable Testing

- Tests all pair combinations to 320 MHz
- Measures Near End Crosstalk (NEXT), attenuation, return loss, impedance, length, capacitance, Attenuation-to-Crosstalk Ratio (ACR), and wire map
- Monitors and graphs network traffic
- Prints complete, easy to read certification reports
- Allows you to program your own test limits and customize your Autotests
- Stores up to 500 Autotests
- Allows Rom updates from the field
- Includes a replaceable, rechargeable battery for all day use
- Incorporates a graphical display screen and on-line help
- Smallest, lightest Category 5 tester available
- Designed for durability

PentaScanner is EIA/TIA TSB-67 Level II compliant.

- Compatible with Microtest’s PC-based Cable Management System (CMS)
- Free, unlimited technical support

Tools and Leadership You Can Trust

There are two PentaScanner kits to choose from. Buy PentaScanner with Super Injector to perform one-way measurements quickly and accurately. For even faster cable certification, buy PentaScanner with 2-Way Injector and measure NEXT and ACR simultaneously from both ends of the installed link.

When you need the job done right the first time, there’s only one choice — Microtest, the worldwide leader in cable certification and diagnostic technology.
PENTASCANNER with 2-Way Injector is the fastest, easiest way to certify and maintain Category 5 and ISO Class D LANs.

PRODUCT PACKAGE
- PentaScanner
- Injector
- Rechargeable, replaceable battery pack
- Operating guide
- Quick reference guide
- Test patch cables
- Modular adapter
- Serial cable
- AC adapters
- Soft carrying case

PENTASCANNER SPECIFICATIONS

PART NUMBERS
- PentaScanner with 2 Way Injector: 680-16-26
- PentaScanner: 680-16-60
- CableScout: 680-16-88
- CableScout Safety for USA and International parts numbers

PHYSICAL CHARACTERISTICS
- Dimensions: 10.2 cm x 20.1 cm x 5.3 cm (4' x 8' x 2-1/3')
- Weight: 579 g (1.2 lb)

POWER
- Rechargeable, replaceable battery pack
- Input: 100-240 VAC, 50/60 Hz
- Built-in charger using AC adapter
- External battery charger available as an accessory
- Battery life: in hours daily operation (approximately 8 hours in continuous Autotest)
- AC: 9 VDC, 1-amp AC adapter for continuous operation or charging

ENVIRONMENTAL
- Operating Temperature: 0° to 50° C (32° to 122° F)
- Storage Temperature: 0° to 50° C (32° to 122° F)
- Operating Humidity (non-condensing): 10 to 95%
- Storage Humidity: 5 to 95%
- Dimensions: 10.2 cm x 20.1 cm x 5.3 cm (4' x 8' x 2-1/3')
- Display area: 5.7 cm x 1.9 em (2.25' x 1.5')
- Operating Current: 375 mA

MEASUREMENT RESOLUTION
- Measurement resolution: 0.1 dB
- Accuracy: +/- 0.5 dB (10 to 2000 MHz)

NEXT and Attenuation Measurement Performance Specifications

<table>
<thead>
<tr>
<th>NEXT and Attenuation Performance Parameters</th>
<th>Typical</th>
<th>Max</th>
<th>Typical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic Accuracy (dB)</td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Residual NEXT (dB)</td>
<td>-63</td>
<td>-63</td>
<td>-63</td>
</tr>
<tr>
<td>Output Signal Balance (dB)</td>
<td>35</td>
<td>35</td>
<td>35</td>
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<tr>
<td>Common Mode Rejection (dB)</td>
<td>35</td>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td>Random Noise (dB)</td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Return Loss (dB)</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>NEXT (dB) at 100 MHz</td>
<td>-0.5</td>
<td>-0.9</td>
<td>1.5</td>
</tr>
</tbody>
</table>

IEEE 802.3: 10Base-T compliance: 40 to 220 MHz
IEEE 802.3u: 10Base-T compliance: 40 to 220 MHz
IEEE 802.3z: 10Base-T compliance: 40 to 220 MHz
IEEE 802.3ae: 10GBase-T compliance: 40 to 220 MHz

NOTE: NEXT is calculated at the basic Link Limit (29.131 MHz) per error model in TSB 67-1A

2-WAY INJECTOR SPECIFICATIONS

- NEXT performance specification limits are the same as Pentascanner
- Includes replaceable, rechargeable Nickel Cadmium (Ni-Cd) battery

HIGH VOLTAGE INPUT PROTECTION
- The test interface withstands input hazards at conditions that arise from normal telephone interfaces (48 VDC at less than 95k ohms) and 24-VAC power used to power many telephone interfaces.

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( ) Printed on Recycled Paper.
This product has received Compliance European.