# Datasheet: DTX-1500 CableAnalyzer™

***The DTX-1500 CableAnalyzer™ advantage: speed, performance and accuracy.***

*The DTX CableAnalyzer™ series is the most widely adopted structured cabling certification testing platform. Its features, speed, and reliability make you more efficient and productive – and you can see the results on the bottom line. No other tester has delivered as consistently as the DTX.*

*Its intuitive interface means your techs spend less time in training and more time testing.*

*500 MHz frequency range certifies Cat 6A/Class E$_A$ cabling for 10 Gigabit Ethernet.*

*Advanced diagnostics pinpoint the location of a failure and suggest corrective action.*

*LinkWare™ Cable Test Management Software's user interface and time-saving features increase productivity.*



## Cat 6 certification in 9 seconds

The DTX-1500 CableAnalyzer gives you a complete solution that streamlines every aspect of the certification job – from setup, to testing and troubleshooting, to reporting results to the customer. The DTX-1500 performs Class E/Cat 6 certification tests in just 9 seconds and Class E$_A$/Cat 6A in 22 seconds – in full compliance with industry standards and with superior accuracy. This incredible speed means you can test hundreds of links in an eight-hour shift.

## Troubleshoots faults fast

When a link fails, the DTX-1500 provides quick, easy-to-understand directions to identify the point of failure (distance from the tester) and the possible reasons for the failure. These directions not only tell you the problem, but also identify corrective actions your test technicians can take to solve the problem quickly – all without having to consult the project manager. Instead of spending time executing trial and error corrections – and re-testing to find out whether the problem has been resolved – the technician knows exactly where to look and what to do to fix the failing link. Even if only two percent of the cables certified in one shift fail Autotest, you'll save as much as two hours of labor time per day certifying.

## Fast even when you're not testing

The DTX-1500 isn't just a fast way to test. It cuts setup and reporting times. Its ease-of-use lowers training time. Extended battery life means you can do more on a single charge. And a bright color display, ample memory, and built-in talk feature all contribute to overall productivity while enhancing the user experience. This all adds up to save you time and money every day.

http://www.eloo.sk/product.php?id_product=2260

**CableAnalyzer Comparison Guide  DSX-5000 vs. DTX-1500 - *click here*.**

## Ordering Information

| Model | Description |
|---|---|
| DTX-1500 | DTX-1500 CableAnalyzer includes:<br>• DTX-1500 CableAnalyzer with lithium-ion battery pack<br>• DTX-1500 SmartRemote with lithium-ion battery pack<br>• Two Cat 6A/Class $E_A$ channel adapters<br>• One 6-inch (15 cm) RJ45 reference patch cord<br>• Carrying case<br>• USB cable for PC communications<br>• Two AC adapters<br>• DTX-1500 Getting Started Guide |
| DTX-PLA002S | Cat 6A/Class $E_A$ Permanent Link Adapters, set of 2 |
| DTX-PLA001 | Permanent Link Adapter for use with DSP-PMxx Personality Modules |
| DSP-PMxx | Personality Modules for IDC and Legacy Cabling Systems for use with DTX-PLA001 |
| DTX-CHA002S | Cat 6A/Class $E_A$ Channel Adapters, set of 2 |
| DTX-COAX | Coax Cable Test Adapters, set of 2 |
| DTX-CHA021S | M12 4-Position Channel Adapters, set of 2 |
| DTX-LION | Lithium-Ion Battery Pack |
| LinkWare | LinkWare Cable Test Management Software (download at www.flukenetworks.com/linkware) |

## Test Standards

| | |
|---|---|
| TIA | Category 3, 5, 5e, 6, 6A per TIA 568-C.2 or TIA-1005 |
| ISO/IEC | Class C and D, E, $E_A$ certification per ISO/IEC 11801:2002 and amendments |
| IEEE 802.3 | 10BASE-T, 100BASE-TX, 1000BASE-T, 10GBASE-T |

## General Specifications

| | |
|---|---|
| Speed of Autotest | Full 2-way Autotest of Category 5e or 6/Class D or E: 9 seconds; Full 2-way Autotest of Category 6A/Class E$_A$: 22 seconds |
| Supported test parameters (test standard determines parameters and frequency range reported) | Wire Map, Length, Propagation Delay, Delay Skew, DC Loop Resistance, Insertion Loss (Attenuation), Return Loss (RL), Near End Crosstalk (NEXT), Attenuation-to-Crosstalk Ratio (ACR-N), ACR-F (ELFEXT), Power Sum ACR-F (PS ELFEXT), Power Sum NEXT, Power Sum ACR-N |
| Maximum frequency | 500 MHz |
| Test Result Storage | 250 with graphical data; >1500 without graphical data |
| Display | 3.7 in (9.4 cm) diagonal, 240x320 pixel, passive color LCD with backlight |
| Dimensions | Main and Smart Remote: 8.5 in x 4.4 in x 2.4 in (21.6 cm x 11.2 cm x 6 cm), nominal |
| Weight | 2.4 lb (1.1 kg), nominal (without adapter or module) |
| Battery | Lithium-ion, 7.4 V, 4000 mAh |
| Battery Life | 12 hours, typical |
| Battery Charge Time | 4 hours (below 40˚ C, with tester off) |

## Environmental Specifications

| | |
|---|---|
| Operating temperature | 32° F to 113° F (0° C to 45° C) |
| Storage temperature | -4° F to +140° F (-20° C to +60° C) |
| Operating relative humidity (% RH without condensation) | 32° F to 95° F (0° C to 35° C): 0 % to 90 % <br> 95° F to 113° F (35° C to 45° C): 0 % to 70 % |
| Vibration | Random, 2 g, 5 Hz -500 Hz |
| Shock | 1 m drop test with and without module and adapter attached |
| Safety | IEC 61010-1: Measurement Category None, Pollution Degree 2 |
| Altitude | Operating: 4000 m (3048 m with AC Adapter); Storage: 12000 m |
| EMC | EN 61326-1: Portable |

# Select the Tester that's Right for You

The DTX-1500 CableAnalyzer™ provides reliable certification of Cat 6A/Class $E_A$ cabling in the most widely adopted structured cabling certification testing platform. The DSX-5000 CableAnalyzer improves the efficiency of copper certification with unmatched speed for testing Cat 6A and Class $F_A$ while meeting draft IEC Level V - the most stringent accuracy requirement. Its ProjX™ Management System helps ensure jobs are done correctly the first time and helps tracks progress from set-up to systems acceptance.

## CableAnalyzer Comparison Guide

| FEATURE | DSX-5000 | DTX-1500 |
|---|---|---|
| Maximum Category/Class | 6A / $F_A$ | 6A / $E_A$ |
| Accuracy Level | Level V draft | Level IIIe |
| Maximum Frequency | 1000 MHz | 500 MHz |
| Autotest Time | 10 sec Class $E_A$/Cat 6A<br>9 sec Class E/Cat 6 | 22 sec Class $E_A$/Cat 6A<br>9 sec Class E/Cat 6 |
| Internal Memory | ≈ 12,000 Cat 6A with plots | ≈ 250 Cat 6A with plots<br>≈ 1500 Cat 6A without plots |
| Battery Life | ≈ 10 Hours | ≈ 10 Hours |
| Cable Identifier Length | 60 characters | 25 characters |
| Permanent Link Adapter | ✓ | Optional |
| ProjX™ Project Management | ✓ | |
| Taptive™ Gesture-based User Interface | ✓ | |
| LinkWare™ Professional Reports | ✓ | ✓ |
| LinkWare™ Live capable | ✓ | |
| Fault Info Troubleshooting | Advanced | Limited |
| PoE Resistance Unbalance | ✓ | |
| Integrated Alien Crosstalk Capability | ✓ | |
| TCL Measurement | ✓ | |
| Shield Integrity Test | ✓ | |
| Coax Adapters | Optional | Optional |
| M12 Adapters | Optional | Optional |
| Patch Cord Adapters | Optional | |
| Fiber OLTS Module | Optional | |
| Fiber OTDR Module | Optional | |
| Automated Fiber Inspection | Optional | |