

Datasheet: DSX-600 CableAnalyzer™

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The DSX-600 CableAnalyzer™ advantage: speed, performance and accuracy.

The DSX-600 CableAnalyzer™ is the essential certification tool for copper, twisted pair structured cabling from Cat 3 / Class C through Cat 6A / Class E_A features speed, and reliability that makes you more efficient and productive – you can see the results on the bottom line. No other tester will deliver as consistently as the DSX-600.

Its gesture-based user interface allows your techs to spend less time interpreting screens and more time testing.

500 MHz frequency range certifies Cat 6A/Class E_A cabling for 10 Gigabit Ethernet in just 10 seconds.

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

LinkWare™ Live cloud-based service that lets you manage certification jobs anytime, anywhere, with anyone on any device.



Cat 6A certification in 10 seconds

The DSX-600 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 DSX-600 performs Class E/Cat 6 certification tests in just 9 seconds and Class E_A/Cat 6A in 10 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 DSX-600 HDTDR and HDTDX algorithms provide quick, easy-to-understand directions to identify the point of failure (distance from the tester). 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 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 DSX-600 isn't just a fast way to test. It's ProjX™ system manages job requirements and progress from set-up to systems acceptance, making sure all tests are completed correctly "right first time". Taptive™ gesture-based user interface, bright color display, ample memory, and built-in talk feature all contribute to overall productivity while enhancing the user experience. Extended battery life means you can do more on a single charge. This all adds up to save you time and money every day.

DSX-600 Models

| Model | Description |
|-----------------|---|
| DSX-600 | <p>DSX-600 CableAnalyzer includes:</p> <ul style="list-style-type: none"> • DSX-600 CableAnalyzer Main Unit & Smart Remote • Two Cat 6A/ Class E_A channel adapters • One 6-inch (15 cm) RJ45 reference patch cord • Soft Carrying case • USB cable for PC communications • Two AC adapters • DSX-600 Getting Started Guide |
| DSX-600-PRO | <p>DSX-600 Pro CableAnalyzer includes:</p> <ul style="list-style-type: none"> • DSX-600 CableAnalyzer Main Unit & Smart Remote • Two Cat 6A/ Class E_A channel adapters • One 6-inch (15 cm) RJ45 reference patch cord • Two Permanent Link Adapters • Soft Carrying case • USB cable for PC communications • Two AC adapters • DSX-600 Getting Started Guide |
| GLD-DSX-600 | 1 YR Gold Support for the DSX-600 |
| GLD-DSX-600-PRO | 1 YR Gold Support for the DSX-600-PRO |

Test Standards

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|------------|--|
| 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

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| 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 : 10 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 | 12,000 Cat 6A with plots |
| Display | 5.7 in LCD display with a projected capacitance touchscreen |
| Dimensions | Main Unit and Smart Remote: 2.625 in x 5.25 in x 11.0 in (6.67 cm x 13.33 cm x 27.94 cm) |
| Weight | 3 lbs (1.36 kg) |
| Battery | Lithium ion battery pack, 7.2 V |
| Battery Life | 8 hours, typical |
| Battery Charge Time | 4 hours (below 40° C, with tester off) |

Environmental Specifications

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|---|--|
| Operating temperature | 32° F to 113° F (0° C to 45° C) |
| Storage temperature | -22° F to +140° F (-30° C to +60° C) |
| Operating relative humidity (% RH without condensation) | 0% to 90%, 32° F to 95° F: (0° C to 35° C) 0% to 70%, 95° F to 113° F: (35° C to 45° C) |
| Vibration | Random, 2 g, 5 Hz -500 Hz |
| Shock | 1 m drop test with and without module and adapter attached |
| Safety | CSA 22.2 No. 61010, IEC 61010-1 3rd Edition |
| Altitude | 13,123 ft (4,000 m) 10,500 ft (3,200 m) with ac adapter |
| EMC | EN 61326-1: Portable |