DSX-602 CableAnalyzer™

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Overview

The DSX-602 CableAnalyzer advantage: speed, performance and accuracy. The DSX-602 CableAnalyzer is the essential certification tool for copper, twisted pair structured cabling from Cat 3 / Class C through Cat 6A / Class EA. It features speed and reliability that makes you more efficient and productive – you can see the results on the bottom line. Its gesture-based user interface allows your techs to spend less time interpreting screens and more time testing. The 500 MHz frequency range certifies Cat 6A/Class EA cabling for 10 Gigabit Ethernet in just 10 seconds. Advanced diagnostics pinpoint the location of a failure. LinkWare™ Live cloud-based service lets you manage certification jobs anytime, anywhere, with anyone on any device.

Cat 6A certification in 10 seconds

The DSX-602 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-602 performs Class E/Cat 6 certification tests in

just 9 seconds and Class EA/Cat 6A in 10 seconds – in full compliance with industry standards and with the industry's highest 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-602 HDTDR and HDTDX algorithms quickly 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-602 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 the first time. The 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-602 CableAnalyzer™ Comparison Chart			
Feature	DSX-602	Versiv DSX-5000	Versiv DSX-8000
Description	Essential Cat 6A and Class EAcopper tester	Cat 6A and Class FA copper tester	Fastest, most accurate Cat 8 and Class I/II copper cable tester
Cat 3 – Cat 6A / Class EA	✓	✓	✓
Class FA		✓	✓
Cat 8 / Class I/II			✓
Maximum Frequency	500 MHz	1000 MHz	2000 MHz
Autotest Time	10 sec Class EACat 6A	10 sec Class EACat 6A 9 sec Class	16 sec Cat 8 / Class I/II 8 sec Class EA/Cat 6A 7 sec

Autotest Time	9 sec Class E/Cat 6	E/Cat 6	Class E/Cat 6
Shield Integrity Test	✓	✓	✓
Permanent Link Adapter	Optional	Included	Included
Advanced Fault Info Troubleshooting		✓	✓
PoE Resistance Unbalance		✓	✓
Integrated Alien Crosstalk Capability		✓	✓
Coax Adapters	Optional	Optional	Optional
M12 Adapters	Optional	Optional	Optional
Patch Cord Adapters		Optional	Optional
Fiber – OLTS, OTDR & Inspection		Optional	Optional
Modular Plug Terminated Link (MPTL) support		✓	✓
LinkWare™ PC	✓	✓	✓
LinkWare Live	✓	✓	✓
Storage Capacity	~12,000 Cat 6A test results with plots	~12,000 Cat 6A test results with plots	~12,000 Cat 6A test results with plots
		The modular Versiv family future-ready design supports up to TIA Cat 8 and ISO Class I/II, singlemode and multimode fiber loss and OTDR testing plus inspection. Advanced diagnostics instantly pinpoint the cause and location of cable faults in plain language. Both Versiv copper cable testers provide measurements to support advanced technologies, including Alien Crosstalk for NBASE-T and other applications, and Resistance Unbalance for Power over Ethernet (PoE). To view the complete line of copper and fiber Cabling Certification products visit www.flukenetworks.com/versiv	

DSX-	The DSX-602 is available in two versions: wireless and non-wireless. The wireless version of the DSX-602

602 Models	includes integrated Wi-Fi for uploading results to LinkWare Live. The non-wireless version has the integrated Wi-Fi disabled for customers who do not wish to receive Wi-Fi support
Model	Description
DSX-602	DSX-602 CableAnalyzer includes: DSX-602 CableAnalyzer Main Unit & Smart Remote Two Cat 6A/ Class EA channel adapters One 6-inch (15 cm) RJ45 reference patch cord Soft Carrying case USB cable for PC communications Two AC adapters DSX-602 Getting Started Guide
DSX-602-NW	Same configuration as the DSX-602 with integrated Wi-Fi disabled.
DSX-602-PRO	DSX-602-PRO CableAnalyzer includes: DSX-602 CableAnalyzer Main Unit & Smart Remote Two Cat 6A/ Class EA 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-602 Getting Started Guide
GLD-DSX-602	1 YR Gold Support for the DSX-602
GLD-DSX-602-PRO	1 YR Gold Support for the DSX-602-PRO

Test Standards

TIA	Category 3, 5, 5e, 6, 6A per TIA 568-C.2 or TIA-1005
ISO/IEC	Class C and D, E, EA 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 EA: 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)
Languages supported	English, French, German, Italian, Japanese, Portuguese, Spanish, Chinese, Korean, Russian, Trad Chinese, Czech, Polish, Swedish, Hungarian
Calibration	Service center calibration period is 1 year
Integrated Wi-Fi	Meets IEEE 802.11 a/b/g/n; dual band (2.4 GHz and 5 GHz)

Environmental Specifications	
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

About Fluke Networks

Fluke Networks is the worldwide leader in certification, troubleshooting, and installation tools for professionals who install and maintain critical network cabling infrastructure. From installing the most advanced data centers to restoring service in the worst weather, our combination of legendary reliability and unmatched performance ensure jobs are done efficiently. The company's flagship products include the innovative LinkWare™ Live, the world's leading cloud-connected cable certification solution with over fourteen million results uploaded to date.

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Descriptions, information, and viability of the information contained in this document are subject to change without notice.

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