Datasheet: DSX CableAnalyzer™ Series

The DSX CableAnalyzer™ Series is the copper certification solution of the Versiv™ cabling certification product family. The DSX Series includes the DSX-8000, which can certify cabling up to Cat 8 / 2 GHz, and the DSX-5000 which can certify up to Cat 6A / Class F_A / 1GHz. The Versiv line also includes fiber OLTS certification, OTDR, and fiber inspection modules. Versiv reduces overall certification costs by up to 2/3, adding up to 10% to the bottom line of every job. While the fastest test time (8 seconds for Cat 6A) plays a part, the system is designed from the ground up to reduce errors and streamline certification. Full integration with the LinkWare Live cloud service lets the Project Manager remotely set up the testers, monitor job progress and even locate tester from any smart device.

With the DSX CableAnalyer and Versiv, you'll save money every time you use it.

The DSX CableAnalyzer Series copper test solution enables testing and certification of twisted pair cabling for up to 40 Gigabit Ethernet deployments and will handle any cabling system whether it is a Cat 5e, 6, 6A, 8 or Class F_A and I/II. Certifying a cable is one part of a process that starts with system design and ends with system acceptance. The faster that process goes, the more profitable you'll be. Unfortunately, there are a lot of things that slow the process down – setting up the tester incorrectly, testing to the wrong limits, waiting for skilled technicians to analyze and troubleshoot failures, misinterpretation of results, and producing test reports that customers cannot understand.

As part of the Versiv cabling certification product family, the DSX CableAnalyzer Series provides accurate, error-free certification. In the installation business there are multiple teams, varying media types and multiple testing requirements. The difference between being profitable or not is just a few percentage points. The DSX certifies copper cabling, complies with all standards including Level VI/2G accuracy, making jobs easier to manage, and getting to system acceptance faster. It's not just for the expert technicians and Project Managers. Individuals of various skill levels can improve the set-up, operation, test reporting, and simultaneously manage diverse projects.

Unique features:

- Versiv enables users to accomplish more than ever with a cable tester, by accelerating every step of the testing process
- LinkWare Live cloud service lets the Project Manager remotely set up the testers, monitor job progress and even locate tester from any smart device
- ProjX™ management system eases tasks from initial set-up of a job to system acceptance. It eliminates redundant steps, and ensures that all tests are completed correctly the first time, and every time
- Taptive™ user interface puts advanced data analysis and easy set-up and operation at the fingertips of technicians of all skill levels
- LinkWare PC management software provides unmatched analysis of test results and professional test reports
- The DSX reduces the time required to fix cabling faults with dedicated diagnostics, a simple test that locates the problem

Performance:

- Eight second Cat 6A test time contributes to the fastest way to gain certification
- Graphically displays the source of failures including crosstalk and distance to shield faults for faster troubleshooting
- Manage up to 12,000 Cat 6A test results with full graphics
- Capacitive touchscreen allows quick tester setup with easily selectable cable types, standards and testing parameters
- Over 1 billion links reported on LinkWare PC management software

Standards:

- Compliant with ANSI/TIA-1152-A Level 2G and proposed standard IEC 61935-1 Ed. 5 Level VI field tester accuracy requirements to 2000 MHz
- Supports the complete suite of Resistance Unbalance standards needed for Power over Ethernet (PoE) – IEEE 802.3bt, ANSI/TIA/EIA-568, ISO/IEC 11801 series documents
- TCL and ELTCTL measurements compliant to IEC 61935-1-1 (Draft)
- Screen continuity along path of cabling

DSX CableAnalyzer Series Family

The DSX CableAnalyzer Series family is based on two modules: the DSX-5000 and DSX-8000. The DSX-5000 certifies twisted pair Cat 5e, 6, 6A and Class F_A cabling with limits up to 1000 MHz. The DSX-8000 certifies twisted pair Cat 5e, 6, 6A, Cat 8 and Class I/II cabling with limits up to 2000 MHz.

	Copper Certification	
	DSX-8000 CableAnalyzer™	DSX-5000 CableAnalyzer™
Cat 6A / Class E_A test time	8 seconds	10 seconds
Cat 8 / Class I/II test time	16 seconds	
HDTDX/HDTDR diagnostic test times	≈ 3 seconds	≈ 3 seconds
Internal memory	≈ 5,000 Cat 8 with plots; ≈ 12,000 Cat 6A with plots	≈ 12,000 Cat 6A with plots
>Level V Accuracy (1 GHz)	✓	✓
Level VI/2G Accuracy (2 GHz)	✓	
Resistance Unbalance measurement	✓	✓
Shield integrity check and distance to fault	✓	✓
TCL measurement	✓	✓
ELTCTL measurement	✓	✓
CDNEXT measurement	✓	✓
CMRL measurement	✓	✓
Built-in Alien XTalk capability	✓	✓
Channel Adapter	2 GHz Range	1 GHz Range
Permanent Link Adapter	2 GHz Range	1 GHz Range
Optional accessories		
Patch cord adapter	Cat 5e, 6 and 6A patch cord	Cat 5e, 6 and 6A patch cord
Coax Adapter	✓	✓
M12 Adapter	✓	✓
TERA Adapter	Available Summer 2017	✓
GG45 Adapter	Available Summer 2017	✓

DSX-5000 Wireless models (Available in the following countries: www.flukenetworks.com/VersivWiFiAdapter)

Model	Description
DSX-5000-W	DSX-5000 CableAnalyzer with WiFi adapter
DSX-5000-W/GLD	DSX-5000 CableAnalyzer with WiFi adapter and 1 year Gold Support
DSX-5000Qi-W	DSX-5000 with Quad OTLS and Fiber Inspection with WiFi adapter
DSX-5000Qi-W/GLD	DSX-5000 with Quad OTLS and Fiber Inspection with WiFi adapter and 1 year Gold Support

DSX-5000 Non-wireless models

Model	Description
DSX-5000	DSX-5000 CableAnalyzer
DSX-5000Qi	DSX-5000 with Quad OLTS and Fiber Inspection

DSX-5000 Accessories

Model	Description
DSX-ADD	DSX-5000 Add-on Kit
DSX-ADD-R	DSX-5000 Add-on Kit with Remote
DSX-CFP-Q-ADD-R	DSX-5000 with Quad OLTS Add-on Kit with Remote
DSX-OFP-Q-ADD	DSX-5000 with Quad OTDR Add-on Kit
DSX-PLA011S	DSX-5000 TERA Cat 7A/Class F_A PLA Set
DSX-CHA011S	DSX-5000 TERA Cat 7A/Class F_A CHA Set
DSX-CHA012S	DSX GG45 Class F_A Channel Adapter Set

Accessories for the DSX CableAnalyzers Series

Model	Description
DSX-PLA004S	DSX Cat 6A/Class E_A Permanent Link Adapter Set
DSX-CHA004S	DSXcCat 6A/Class E_A Channel Adapter Set
DSX-COAX	DSX Coax Adapter Set
DSX-CHA021S	DSX M12 4-Position Adapter Set
DSX-PC5ES	DSX Patch Cord Test Adapter Set for Cat 5e patch cords
DSX-PC6S	DSX Patch Cord Test Adapter Set for Cat 6 patch cords
DSX-PC6AS	DSX Patch Cord Test Adapter Set for Cat 6A patch cords
VERSIV-ADP-WIFI	WiFi Adapter for Versiv Mainframe. (Available in the following countries: www.flukenetworks.com/VersivWiFiAdapter)
Versiv-TSET	VERSIV Headphones
VERSIV-BATTERY	VERSIV Battery
VERSIV-ACUN	VERSIV Charger
VERSIV-STRP	VERSIV Hand Strap
VERSIV-STND	VERSIV Demo Stand

Gold Support for the DSX CableAnalyzers Series

Model	Description
GLD-DSX-8000	1 YR GOLD SUPPORT for DSX-8000
GLD-DSX-8000MI	1 YR GOLD SUPPORT for DSX-8000 w/ Multimode OLTS INSP
GLD-DSX-8000OI	1 YR GOLD SUPPORT for DSX-8000 w/ Quad OTDR INSP
GLD-DSX-8000QI	1 YR GOLD SUPPORT for DSX-8000 w/ Quad OLTS INSP
GLD-DSX-8000QOI	1 YR GOLD SUPPORT for DSX-8000 w/ Quad OLTS OTDR INSP
GLD-DSX-8000PRO	1 YR GOLD SUPPORT for DSX-8000 Professional Kit w/ Quad OLTS OTDR INSP
GLD-DSX-5000	1 YR GOLD SUPPORT for DSX-5000
GLD-DSX-5000QI	1 YR GOLD SUPPORT for DSX-5000 w/ Quad OLTS INSP