

The DSP-100 CableMeter®

- Delivers TSB-67 Accuracy Level II for Basic Link and Channel as classified by Underwriters Laboratories, Inc. (UL)
- Provides auto-diagnostics of cabling faults in graphical and text representations
- Tests NEXT to 155 MHz
- Performs two-way tests with optional Smart Remote
- Detects/excludes sources of noise from NEXT measurements
- Provides fast test times: completes test of a 4-pair Cat 5 cable in 17 seconds
- Stores 1,150 TIA TSB-67 test results and 600 ISO test results
- Monitors traffic on 10BASE-T networks to help you identify whether the cable link is the source of the problem
- Tests a wide variety of LAN cabling systems: UTP, FTP, STP (IBM type 1,2,6,9), Coax
- Includes free Windows®-based DSP-LINK software—the quick and easy way to upload cable test results to your PC
- Has a back-lit display for hard-to-see locations

DSP-100 Digital CableMeter®

Certify cabling quickly and accurately

Whether you're certifying a cabling plant, troubleshooting a problem, or re-certifying moves, adds, and changes, the DSP-100 CableMeter can make the job faster and easier. In fact, with this powerful *digital* cable tester from the Fluke DSP Series, you can measure a cable in a record-breaking 17 seconds, without sacrificing accuracy.

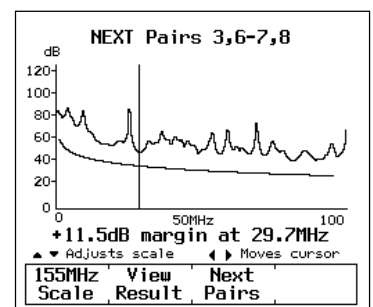
Based on Fluke's superior digital test technology, the DSP-100 fully complies with all current test standards. It also offers powerful diagnostic capabilities such as the "Time Domain Crosstalk (TDX™) Analyzer," which quickly pinpoints subtle defects resulting from bad connections, poor workmanship, or improper cabling.

Save time on the job

With the DSP-100's intuitive interface, you won't waste time sorting through complex menus. Plus, its 12-hour battery enables you to test all day without stopping. An internal battery backs up your critical test results for up to five years. You can store 1,150 TSB-67 test results or 600 ISO test results and download them to your PC in less than two minutes.

Test fiber optic cables

When paired with the optional Fluke DSP-FTK Fiber Test Kit, the DSP-100 detects bad connections, bad splices, broken fibers, and loss of power from bends and fiber-type mismatches. It precisely measures power loss from fiber optic cables in dB with digital accuracy, and measures optical power in dBm or μ W. The Fiber Test Kit includes an Optical Power Meter (DSP-FOM), a combination 850/1300 nm Fiber Optic Source, patch cords and a coupler. Other laser and power optical sources are also available.



Detailed NEXT results screen shows the measured data as well as the pass/fail limit curve defined by the selected test standard.

Get free DSP-LINK software

Windows®-based DSP-LINK software brings “point and click” simplicity to the task of transferring data or updating your DSP-100; and it's included free with the DSP-100!

It's fast—download all stored test results (600 to more than 2000) from the DSP-100 to a PC in less than two minutes with DSP-LINK.



Manage test results with Fluke CableManager™ Software

DSP-100 options include powerful CableManager software that allows you to quickly and easily organize, find, edit, print and save your cable test result information in a database. You can download Autotest reports and sort and search through several fields, such as Cable ID, Site and Pass/Fail.



Specifications

Cable Types: UTP, FTP, ScTP, STP, Coax

Test Standards:

TIA Cat 3, 4, and 5 Basic Link or Channel
ISO11801 Class A, B, C, or D
IEEE 10Base5, 10Base2, or 10base-T
IEEE Token Ring 4 Mbps or 16 Mbps
IEEE 100Base-TX, 100Base-T4
IEEE 802.12 (100VG-AnyLan) 4-UTP or 2-STP
ANSI TP-PMD
Aus/NZ Class C, D Basic Link or Channel

Speed of Autotest: Full Autotest of Category 5 UTP cable, including 6 pair combinations for NEXT in both directions, in less than 17 seconds*

Supported Tests (range of test is determined by network or selected standard)

Wire Map
Length, Propagation Delay, Delay Skew
Attenuation
NEXT, NEXT @ Remote*
Power Sum NEXT, PSNET @ Remote*
Attenuation-to-Crosstalk Ratio (ACR),
ACR @ Remote*
Characteristic Impedance
DC Loop Resistance
Return Loss (RL)

Display: Graphic bit-mapped LCD with back light and adjustable contrast

Test connections: One shielded 8-pin modular connector, (RJ45), and one BNC connector

Input Protection: Protected against continuous telco voltages and 100 mA over-current.

EMC: EMC compliant. CE certification by NMI Certin BV. Number FLK95003.CFT dated on 3-Oct-95.

Power:

Main instrument: Rechargeable NiCad battery with 10-12 hours typical battery life.
Standard remote unit: Replaceable 9V 425 alkaline cell.

Size: 22.5 x 13 x 7.6 cm (9 x 5 x 3 in)

Weight: 1.5 kg (3.25 lb)

Languages Supported: English, Spanish, Italian, French, German, Portuguese, Chinese, Korean and Japanese

*With optional Smart Remote unit

Ordering Information

Model Name	Description
DSP-100*	CableMeter Includes: DSP-100 CableMeter, DSP-100 Standard Remote, DSP-LINK Software, PC Serial Interface Cable, AC Adapter/Charger, Hard Carrying, one coax patch cable, two 2m UTP Cat 5 shielded patch cables, one 10 inch calibration
DSP-R*	Standard Remote for the DSP-100
DSP-SR*	Smart Remote for the DSP-100

*CE approved

See the *Cable Test Accessories Guide* for accessory information



DSP-100 CableMeter main unit and remote.



Fluke. Keeping your world up and running.

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