

Features

DSP Series Features

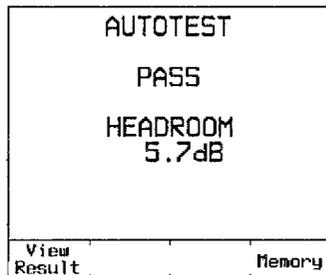
- First Cat 5 field testers classified by Underwriters Laboratories, Inc. to fully meet the TIA TSB-67 Accuracy Level II for both the Channel and Basic Link
- Tests NEXT from both ends to 155 MHz
- Provides unparalleled troubleshooting with Fluke's patented Time Domain Crosstalk (TDX™) Analyzer, which instantly pinpoints NEXT faults such as bad connectors, poor workmanship or improper cabling
- Executes all "performance" tests required by the TIA TSB-67 link test standard
- Detects/excludes sources of noise from NEXT measurements
- Stores 1,150 TIA TSB-67 test results and 600 ISO test results
- Monitors traffic on 10BASE-T networks to 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, easy way to upload cable test results to your PC
- Saves time and money with fast test execution, accurate answers and diagnostics

DSP-2000 Additional Features

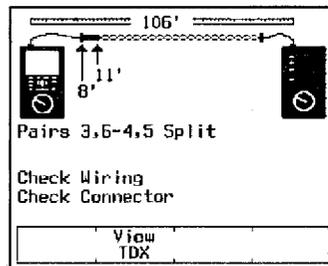
- Auto-diagnostics of cabling faults in graphical and text representations
- Traffic monitoring capabilities on 100BASE-TX networks
- Input protection from live ISDN circuits
- A bright back-lit display for hard-to-see locations
- Fast test time: complete test of a 4-pair Cat 5 cable in 20 seconds

DSP-100 Additional Features

- Record test time: complete test of a 4-pair Cat 5 cable in 17 seconds



DSP-100 Cable test result screen



DSP-2000 "fault info" screen

DSP Series Digital Cable Testers

DSP Fluke Series Digital Cable Testers

Whether you're certifying a cabling plant, troubleshooting a problem or re-certifying moves, adds and changes, Fluke Series cable testers are the tools you need to do the job right. Both the new Fluke DSP-2000 CableAnalyzer test tool and the DSP-100 CableMeter test tool let you certify network cabling at the touch of a button.

Both models feature Fluke's superior digital test technology, which fully complies with all current test standards. They deliver Accuracy Level II for the Channel and Basic Link as specified in the Telecommunications Industry Association (TIA) test standard TSB-67. They also offer 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.

The New DSP-2000 Digital CableAnalyzer™

Certify and troubleshoot cabling for high-speed networks.

If you're installing and maintaining high-speed networks, such as Fast Ethernet, the DSP-2000 is your choice.

Cable systems tested by older analog cable scanners may not guarantee cabling performance when high-speed networks are installed. Not only does the DSP-2000 let you certify these links with Accuracy Level II—the highest level of confidence—but its unique FAULT INFO feature shows you exactly where the link fails. Diagnostics are displayed in a graphic representation and in plain language. Whether it's poor workmanship, a bad patch cord or improper cabling, FAULT INFO lets you know how to prepare your link for the demands of high-speed networking.

The DSP-2000 also lets you monitor both 10BASE-T and 100BASE-TX networks, so you can immediately identify whether the cable link is the source of the problem. This saves time and ensures that your high-speed network is ready to go. Find active ports, measure utilization and collisions, and detect jabbering workstations—all with a single test.

DSP-100 Digital CableMeter™

Certify cabling quickly and accurately.

When you judge your cable tester investment in terms of productivity and longevity, the DSP-100 is the unmatched choice. With its digital technology, you can measure a cable in a record-breaking 17 seconds, without sacrificing accuracy. Add Fluke's Fiber Test Kit and you can use your DSP-100 to verify installation of fiber optic links, too.

Fluke's DSP technology is classified by Underwriters Laboratories, Inc. (UL) to meet strict Accuracy Level II requirements for both the Channel and the Basic Link.* Level II delivers measurement confidence up to 60 times higher than older analog Level I testers. And if a link fails the NEXT test, only Fluke's digital technology can pinpoint the fault—saving hours of trial and error.

The DSP-100 also saves time on the job. Its intuitive interface saves you the time of working through complex menus. And its 12-hour battery lets you test all day without stopping. An internal battery backs up your critical test results for up to five years; store 1,150 TSB-67 test results or 600 ISO test results and download them to your PC in under two minutes.

Keep your tester "current".

With its 155 MHz measurement range, the DSP Series protects your investment into the future if standards change. Free DSP-LINK software makes it easy to update your DSP cable tester as new software or standards come along. And the DSP Series is built with legendary Fluke ruggedness, so you can count on it to still be working when those standards change.

*As defined in the Telecommunications Industry Associations (TIA) TSB-67 standard

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
Autotest Speed

Full Autotest of Category 5 UTP cable, including 6 pair combinations for NEXT in both directions, in less than 20 seconds. (DSP-100 <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)
DSP-2000: RL and RL @ Remote

Cable Tone Generator (DSP-2000):

Provides a tone generator that can be detected by a handheld tone probe
Display: Graphic bit-mapped LCD with back light and adjustable contrast

Test Connections

DSP-2000: Two shielded 8-pin modular connectors, (RJ-45)

DSP-100: One shielded 8-pin modular connector, (RJ-45), and one BNC connector

Input Protection

Protected against continuous telco voltages and 100 mA over-current
DSP-2000: Occasional ISDN over-voltages will not cause damage

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

Power: Main instrument and Smart Remote unit: Rechargeable NiCad battery with 10-12 hours typical battery life

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, French, German, Spanish, and Italian

Accessories and Ordering Information

DSP-2000* CableAnalyzer Includes: DSP-2000 CableAnalyzer, DSP-2000 Smart Remote, DSP-LINK Software, PC Serial Interface Cable, AC Adapter/Charger, hard carrying case, one coax patch cable, two 2m UTP CAT 5 shielded patch cables, one 10-inch calibration cable, one RJ45 to BNC adapter

DSP-100* CableMeter Includes: DSP-100 CableMeter, DSP-100 Standard Remote, DSP-LINK Software, PC Serial Interface Cable, AC Adapter/Charger, hard carrying case, one coax patch cable, two 2m UTP CAT 5 shielded patch cables, one 10-inch calibration

DSP-100/SR* CableMeter Same as the DSP-100 while substituting DSP-R with DSP/SR to provide automatic NEXT testing from both ends of the cabling link

DSP-SR* Smart Remote for the DSP-100

C790 Hard Carrying Case

N6580 UTP Cable Kit

N6581 Type 1 STP Cable Kit

BC7210* External Battery Charger for DSP-2000 or DSP-100

BP7217 Extra NiCd Battery Pack for DSP-2000 or DSP-100

Need technical assistance? Call:

1-800-44-FLUKE

Toll-free in the U.S.

(905) 890-7600 in Canada

1-425-356-8500 other countries

www.fluke.com/nettools