

Fiber and Copper Multi xDSL Tester

The Fiber and Copper Multi xDSL Tester is a versatile tool designed for comprehensive testing of both fiber optic and copper networks. It supports multiple xDSL standards, including ADSL, VDSL, and VDSL2, ensuring accurate diagnostics for broadband services. Equipped with advanced fiber testing capabilities like OTDR and optical power measurement, it delivers precise performance insights. Its compact design, intuitive interface, and long battery life make it ideal for field technicians and network engineers. This all-in-one tester is perfect for troubleshooting, installation, and maintenance of modern telecommunications networks.



STAR INFOMATIC PVT LTD

HEAD OFFICE:- B-1/626, IIInd Floor, Janakpuri, New Delhi-110058, India

Phone.: +91 11 41586770 | +91 9899002699 | Email: info@star-technologies.co.in | Web : www.star-technologies.co.in

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Description:

- ▶▶ The fiber and copper multi xDSL Tester is a cutting-edge tool combines multiple diagnostic functionalities into a single, compact, and portable unit, making it a practical solution for telecom engineers and field technicians.
- ▶▶ Its advanced features include an Optical Power Meter for measuring optical signal strength, a Visual Fault Locator for pinpointing fiber optic faults, a TDR Cable Fault Locator for detecting cable breaks or faults with precision, and a Tone Tracker for efficient cable identification. These capabilities ensure accurate and reliable performance analysis, streamlining the process of line testing and maintenance.
- ▶▶ With its robust design and user-friendly interface, the Fibershot VDSL Tester is an essential tool for professionals seeking efficiency and accuracy in diagnosing and maintaining xDSL networks. Whether for routine checks or complex troubleshooting, this device delivers dependable results, enhancing productivity and service quality.

Applications:

- ▶▶ Broadband installation and maintenance
- ▶▶ Network troubleshooting and fault detection
- ▶▶ Fiber and copper line performance testing
- ▶▶ Ensuring compliance with industry standards for telecommunications

Features:

- ▶▶ 3.5-inch LCD Display(Resolution: 320×480)
- ▶▶ Supported Test Protocols: ADSL, ADSL2, ADSL2+, READSL, VDSL2
- ▶▶ Conducts fast copper tests using a digital Multimeter (DMM) for parameters including AC Voltage (ACV), DC Voltage (DCV), Loop Resistance, Insulation Resistance, Capacitance, and Distance Measurement.
- ▶▶ Fully supports VLAN, and Vectoring, and is compliant with all major DSLAMs (Digital Subscriber Line Access Multiplexers).
- ▶▶ Capable of emulating a modem and simulating login procedures to the Internet.
- ▶▶ Supports ISP login functionality (username/password), as well as WAN and LAN IP Ping tests for network connectivity verification.
- ▶▶ Integrated optical power meter for fiber-optic testing and Visual Fault Locator (VFL) functionality for identifying cable faults.
- ▶▶ Supports cable tracing, line sequence checking, and landline telephone functionality for thorough network diagnostics.
- ▶▶ Includes Time Domain Reflectometer (TDR) functionality for accurate cable fault location and diagnostics.

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Specifications:

ADSL2+	
Standards	ITU G.992.1(G.dmt),ITU G.992.2(G.lite),ITU G.994.1(G.hs), ANSI T1.413 issue #2,ITU G.992.5(ADSL2+)Annex L
Up channel rate	0~1.2Mbps
Down channel rate	0~24Mbps
Up/Down attenuation	0~63.5dB
Up/Down noise margin	0~32dB
Output power	Available
Error test	CRC, FEC, HEC, NCD, LOS
Display DSL connect mode	Available
Display channel bit map	Available
ADSL	
Standards	ITU G.992.1 (G.dmt), ITU G.992.2(G.lite) ITU G.994.1(G.hs), ANSI T1.413 Issue # 2
Up channel rate	0~1Mbps
Down channel rate	0~8Mbps
Up/Down attenuation	0~63.5dB
Up/Down noise margin	0~32dB
Output power	Available
Error test	CRC, FEC, HEC, NCD, LOS
Display DSL connect mode	Available
Display channel bit map	Available
VDSL2	
Be compatible with ADSL2+, ADSL standard.	
DSL line attenuation	
DSL line noise margin	
DSL line up/down channel speed (Inter/Fast mode)	
DSL line up/down maximum rate	
DMT sub channel bit number: 0~15, and each sub channel frequency points	
DSL line error number (CRC, HEC, FEC, LCD, OCD)	
DSL line local output power	
DSLAM information	
Error Code Second	
Impulse Noise Protection (INP)	

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DMM Test	
DC voltage (V):	0~400
AC voltage (V):	0~400
Loop resistance (Ω):	0~20000
Capacitance (nF):	0~1000
Insulation resistance (M Ω):	0~50

Optical Power Meter (Optional)- Full function version include this function	
Measurement range:	-70~+10dBm
Wavelength	850nm ,1300nm,1310nm, 490nm, 550nm,1625nm

Visual Fault Locator (Optional)- Full function version include this function	
Output Power	1mw
Wavelength	8650nm \pm 20nm



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