

DSL-3020A



Overview

DSL-3020A xDSL, a handheld light-weight tester which is used to test the VDSL2、ADSL/ADSL2/ ADSL2+, it is designed for full range of layer 1/2/3 test precisely. It is an ideal tool for installation, maintenance, troubleshooting of the XDSL link.

Features

- Large LCD touch screen
- Windows CE OS, graphical interface, easy to handle.
- Net Scan freely and easily.
- Cable qualifies indication. Auto setup critical line threshold parameter, with comparing real test result with threshold to indicate the cable qualification.
- Audio line-tracking. Send audio line-tracking signal at one end, and then identify the testing line with audio sensor at the other end.

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Quality Link Connections





Functions

- **XDSL Physical Layer Testing**
 - ADSL2+Modular: full support all ADSL standards, which includes ANSI T1.413 Issue 2 , ITU-T G.992.1(G.dmt), ITU-T G.992.2 (G.lite) , ITU-T G.992.3(ADSL2) , RE-ADSL2 and ITU-T G.992.5(ADSL2+).
 - VDSL2 Modular: Apart from all standards above mentioned, it also particularly support ITU-T G.993.2(VDSL2).
 - Test upstream, downstream, maximum speed and channel utilization.
 - Test upstream and downstream noise margin, and export power and power attenuation.
 - Test error value of proximal end and remote end
 - FEC/CRC/HEC/NCD/OCD.
 - Auto test and display proximal end and remote signal loss, frame loss, power loss, cell loss, border loss and many other Defect information, along with history record contrast to the current display.
 - Statistic error seconds.
 - Display every sub-channel of Bits per Tone by the mean of graphic and number.
 - Display every sub-channel of SNR per Tone by the mean of graphic and number.
 - ATM F4, F5 OAM loopback test.
- **xDSL Network Layer Test**
 - Support RFC1483 (RFC2684) , PPPoE (RFC2516) , DHCP, PAP/CHAP and variety of upper layer protocols.
 - PPPoE dial-up obtain IP address and Ping test.
 - Fixed Ping Test
- Ping test that includes Ping loss test (Be able to identify times and package size), Ping loopback latency test(To test its MAX ,MIN ,Average level).
- Router tracking test
- Replace ADSL2+/VDSL2 Modem
- **xDSL Application Layer Test**
 - Net Scan
 - Net Rate Measurement
 - FTP Speed Measurement
- **Ethernet Test**
 - DHCP client test
 - PPPoE dial-up is used to test the problem from user's IP broadband or LAN.
 - Network layer test: Ping, Ipconfig, Route and router tracking, etc.
 - Application layer test: Net Scan and rate measurement, and FTP speed measurement.
- **Cable Test**
 - Digital Multi Meter (DMM) is used to test loop resistance, insulation resistance, capacitance, AC-DC voltage and estimate wire length.
 - Audio line tracking
- **Others**
 - Auto Power-off
 - Beep and LED alarm.
 - Data management test
 - Software on-line upgrade

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DSL-3020A - DSL Tester

Specifications

General		
Spec.	200×120×60 (mm)	
Weight	1KG	
Screen	480x272 resolution TFT color LCD	
Operation	By touch-screen and keyboard	
Interface	RJ11、RJ45、USB、Power	
Battery	Li Battery	
Charging Time	3 hours	
Endurance time	5 hours	
Work Environment	Operation Temperature	-10℃~+50℃
	Storage Temperature	-20℃~+70℃
	Operation Humidity	10% ~ 90%
	Storage Humidity	5% ~ 95%
	Humidity	
Data storage space	50M storage capacity, save 2000 test record.	

Test Interface-DMM	
Loop Resistance	5Ω~5KΩ±5%
Capacitance	0~500nF±10%
DC Voltage	-110V~110V±5%
AC Voltage	0~110V±5%
Insulation Resistance	0.1MΩ~50MΩ±10%

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Test Interface-xDSL	
Attenuation	0~63.5dB
Export Power	-32.0~31.5dBm
Noise Margin	-64.0~63.5dB
ADSL2+ Downstream Channel Rate	0~24Mbps
ADSL2+ Upstream Channel Rate	0~1.2Mbps
VDSL2 Downstream Channel Rate	0~100Mbps
VDSL2 Upstream Channel Rate	0~100Mbps
DMT Sub-channel modulation bit quantity	0~15
Error (CRC/HEC/FEC) quantity	0~65535

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Configuration

- Basic

MODEL	PRODUCT/SPEC	REMARKS
DSL-3020A	DSL-3020A xDSL Tester	DSL-3020A 1pc
DSL-3020ATPEN	Touch Pen	1pc
WDALLIGATOR	Alligator Clip Test Cable (1.5m)	1pc
WDRJC45-1.5	Crossover Cable (1.5m)	1pc
PW8.4V/2.0A	Power Adapter	1pc
DSL-3020A ASMM	User Guide	1pc
FADSL-3020A	Bag	1pc

- Modular

MODEL	PRODUCT/SPEC	REMARKS
DSL-3020A-ADSL2+	ADSL2+ Modem Modular	Optional, installed in the device
DSL-3020A-VDSL2	VDSL2 Modem Modular	

- Optional Configuration

MODEL	PRODUCT/SPEC	REMARKS
TPT-8010A	Line Finder	
USBMUSE	USB Mouse	
USBDISK	U Disk	1G 1GB

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Application

● "ATUR+PC" Emulation



Emulate "ATUR+PC" for XDSL physical layer test, network layer test, application layer test.

● Completely Replace ADSL2+/VDSL2 Modem



● Replace PC



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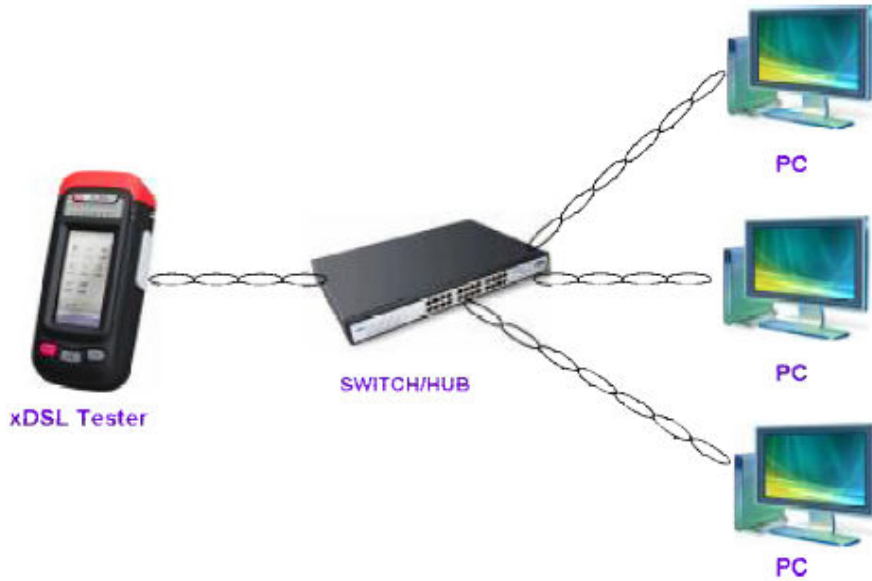
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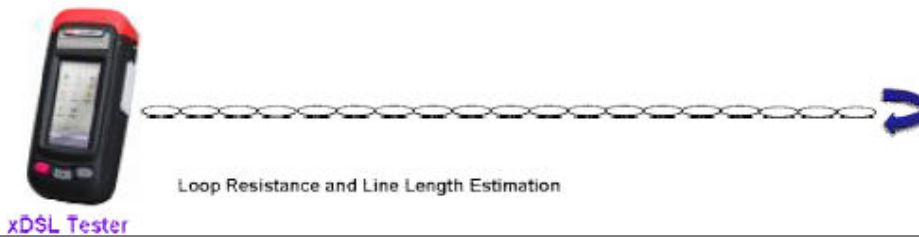
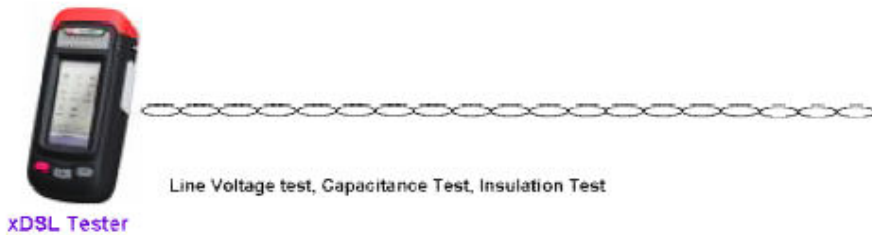




● Ethernet Test



● Cable Test



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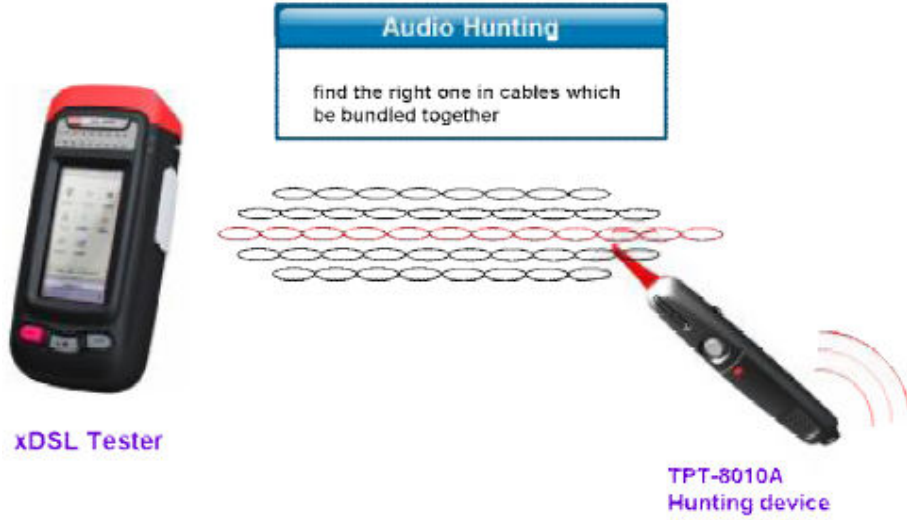
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- **Audio Line-tracking**



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