



# DSL-3020V VDSL Tester

**DADI Telecom**

**Professional Communication Tester Manufacturer from China**



DSL-3020V is a handheld VDSL tester, which provides full testing and analysis of VDSL2/ADSL/ADSL2/ADSL2+ lines accurately and fast, covering physical layer, network layer, and application layer. Giving a visual determination of the quality of xDSL lines, it is a necessary and ideal tool for installation, maintenance, troubleshooting of the xDSL.

## □ Functions

- xDSL physical layer testing
  - ADSL2+ module: full support all ADSL standards, including ANSI T1.413 Issue 2, ITU-T G.992.1 G.dmt, G.992.2 G.lite, G.992.3 ADSL2, RE-ADSL2 and G.992.5 ADSL2+
  - VDSL2 module: support ITU-T G.993.2 VDSL2, and all ADSL standards above mentioned
  - Test upstream, downstream, maximum speed and channel utilization
  - Test upstream and downstream noise margin, and export power and power attenuation
  - Error statistics of near end and far end FEC, CRC, HEC, NCD, and OCD
  - Automatically detect and display near end and far end LOS, LOF, LOP, LOC and LOM with the comparison between history and present data
  - Error seconds statistics
- 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



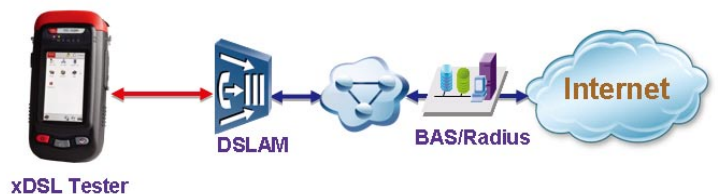
- xDSL network layer testing
  - Support several upper layer protocols, including RFC2684, RFC1483, RFC2516 PPPoE, RFC2364 PPPoA, DHCP and PAP/CHAP etc.
  - PPPoE/PPPoA dialup obtain IP address and Ping testing
  - Fixed IP Mode Ping testing
  - Ping testing that includes Ping loss testing with times and package size, Ping loopback latency testing with MAX, MIN and average
  - Traceroute
  - ADSL2+/VDSL2 modem replacement
- xDSL application layer testing
  - Web browsing and FTP/HTTP download speed measurement
- Ethernet testing
  - DHCP client testing
  - PPPoE dial-up is used to test the problem from user side
  - Network layer testing, including Ping, ipconfig, route and traceroute
  - Application layer testing, including net scan, Web browsing and FTP/HTTP download speed measurement
- Cable testing
  - Digital Multi Meter, DMM is used to test loop resistance, insulation resistance, capacitance, AC/DC voltage and line length estimation
  - Tone generation
- Others
  - Auto power-off
  - Sound and LED alarm indication
  - Data management

## □ Features

- Large LCD touch screen
- Compact design and excellent stability
- Windows CE OS, graphical interface, easy to operate
- Software online upgrade
- Web browsing without any limitation
- Tone generation, signal at one end, and then identify the tested line with tone generator at the other end
- Large Li-ion battery capacity with long time operation

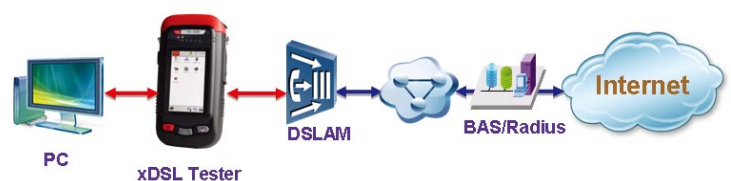
## □ Applications

### ATUR/VTUR+PC emulation



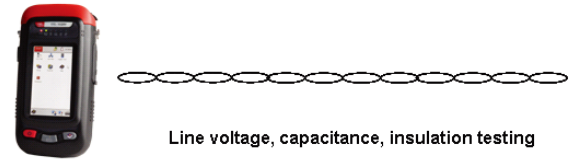
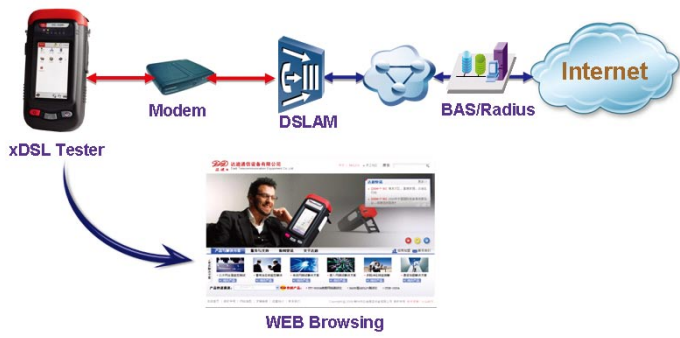
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### xDSL modem replacement

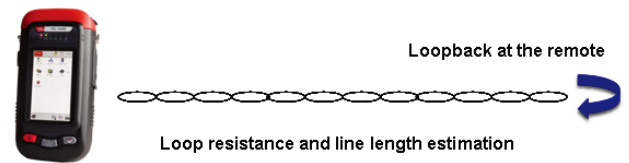


PC  
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## PC replacement

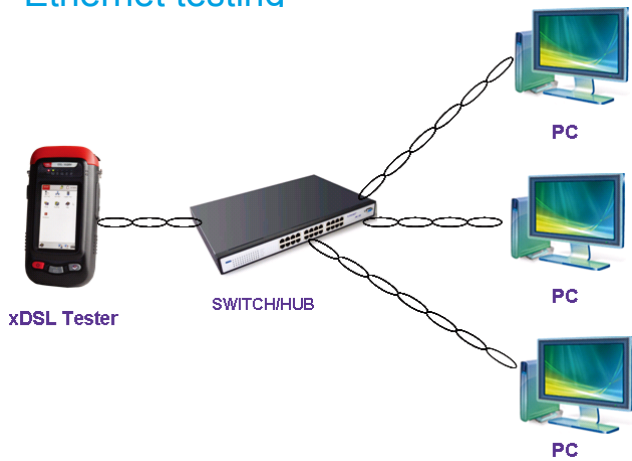


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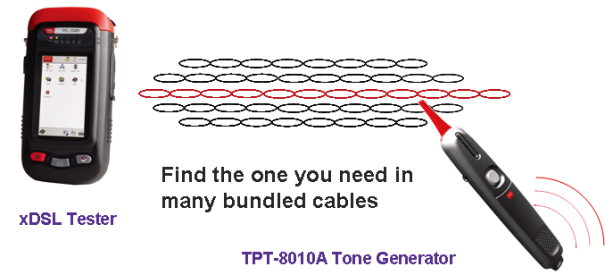


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## Ethernet testing



## Tone generation



## □ Specifications

General	
Size	200×120×60mm
Weight	1000g
Display	TFT true color, 480x272
Operation mode	Touch screen, keyboard
Interface	RJ11, RJ45, USB, DC power
Battery	Rechargeable Li-ion battery
Charging time	3 hours
Operation time	5 hours
Operation temperature	0°C to +50°C
Storage temperature	-20°C to +70°C
Operation humidity	10% to 90%
Storage humidity	5% to 95%
Data storage	>2000 records

Testing - 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%

Testing - xDSL	
Attenuation	0~63.5dB
Output power	-32.0~31.5dBm
Noise margin	-64.0~63.5dB
ADSL2+ Downstream rate	0~24Mbps
ADSL2+ Upstream rate	0~1.2Mbps
VDSL2 Downstream rate	0~100Mbps
VDSL2 Upstream rate	0~100Mbps
DMT sub-channel modulation bits	0~15
Bit error quantity	0~65535



For more information: [www.lzdd.com](http://www.lzdd.com) or [lzdd@lzdd.com](mailto:lzdd@lzdd.com)

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