



# DSL-3011A xDSL Tester

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DSL-3011A xDSL Tester is a handheld ADSL/ADSL2/ADSL2+ line test and analysis instrument, which can test physical layer, network layer and application layer quickly and accurately. It is a necessary tool for xDSL line deployment and maintenance. This product applies to deployment and maintenance of operators's broadband service.

## □ Functions

- xDSL physical layer testing
  - 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+
  - Test upstream, downstream, maximum speed and channel utilization
  - Test upstream and downstream noise margin, and output power and power attenuation
  - Error statistics of near end and far end FEC, CRC, HEC, NCD, and OCD
  - Automatically detect and display LOS, LOF, 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 various upper layer protocols, including RFC2684, RFC1483, RFC2516 PPPoE, RFC2364 PPPoA.
  - PPPoE/PPPoA dialup obtain IP address and Ping testing



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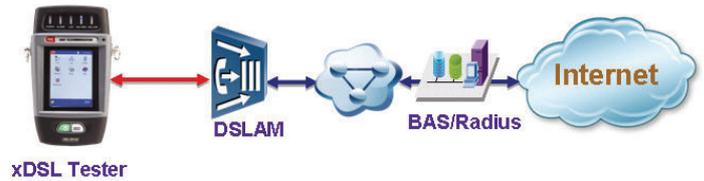
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- Fixed IP Mode Ping testing
- Ping testing that includes Ping loss testing with times and package size, Ping loopback latency testing with MAX, MIN and average
- ADSL2+ modem replacement
- Ethernet testing
  - Ping testing
- Cable testing
  - Digital 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
  - Software online upgrade

## Applications

### ATUR+PC emulation



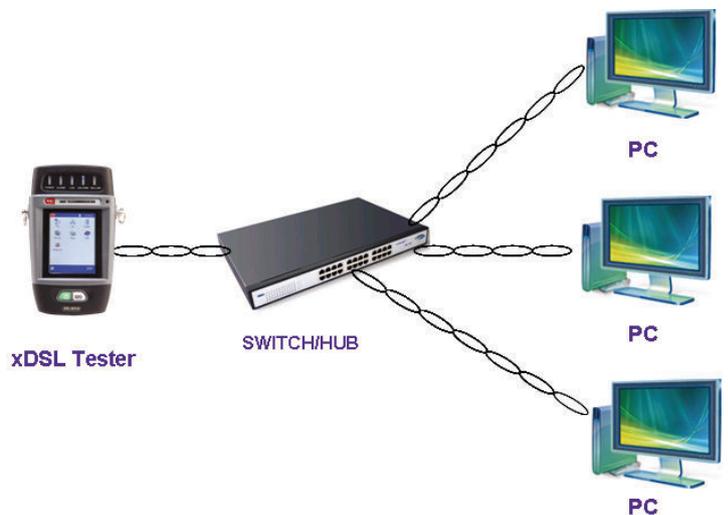
### xDSL modem replacement



## Features

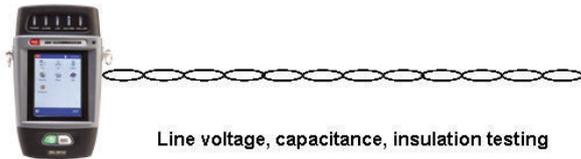
- The smallest DSL tester with TFT true color display and touch screen operation in the World.
- UcOS operation system, graphical interface, easy to operate.
- Line qualified/unqualified indication function: users can set the value of parameter threshold of key lines on their own, and judge whether the line is qualified through comparing actual testing results with threshold value.
- Tone generation function: at one end of the line sends audio signal, the other end identifies the current tested line by the tracer.

### Ethernet testing

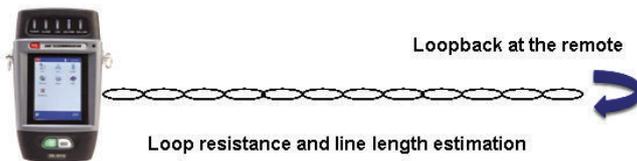


## Cable testing

## Specifications

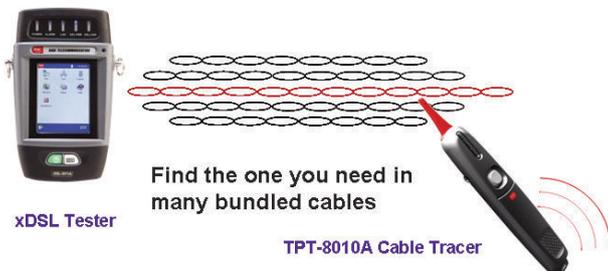


xDSL Tester



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## Tone generation



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### General

Size	146×87×50 mm
Weight	600g
Display	2.8" 320x240 TFT true color, touch screen
Operation mode	Touch and keyboard
Interfaces	RJ11, RJ45, USB, DC power
Battery	Rechargeable Li-ion battery
Charging time	4 hours
Operation time	4 hours
Operating temperature	0°C to 45°C
Storage temperature	-20°C to 70°C
Operating humidity	10% ~ 90%
Storage humidity	5% ~ 95%
Data storage	2M, more than 200, expandable

### Testing - ADSL2+

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

### 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%

