



ST332B Basic VDSL2 Tester



1. Brief Introduction

ST332B VDSL tester is multi-functional hand-held VDSL2 test instrument with small size, specially designed for xDSL line test (xDSL include: ADSL, ADSL2, ADSL2+, READSL, VDSL2 etc) and maintenance. It provides xDSL test, PPPoE dial test, DMM test, Modem emulation, line voltage indication and so on.

The tester adopts LCD display and menu operation which can display the test results directly and improve the xDSL broadband service greatly. It's the best choice for the field operators of installation and maintenance.

2. Key Features

- Test objects: ADSL; ADSL2; ADSL2+; READSL; VDSL2
- Fast Copper tests with DMM (ACV, DCV, Loop and Insulation Resistance, Capacitance, Distance)
- Supports Modem emulation and simulating login to Internet
- Supports ISP login (username / password) and IP Ping test (WAN PING Test, LAN PING Test)
- Supports all multi-protocol, PPPoE / PPPoA (LLC or VC-MUX)
- Connects to CO via alligator clip or RJ11
- Rechargeable Li-ion Battery
- Beep and LEDs alarm indications (Lower Power, PPP, LAN,xDSL)
- Data memory function
- LCD display, Menu operation
- Auto shut off if no any operation on keyboard
- Compliant with all known DSLAMs
- Software management
- Simple, portable and money-saved

3. Functions

- DSL Physical layer test
- Modem Emulation (Replace the user Modem completely)
- PPPoE Dialing (RFC1683,RFC2684,RFC2516)
- PPPoA Dialing (RFC2364)
- Telephone Function
- DMM Test
- Ping Function (WAN & LAN)
- Data upload to computer and software management
- Setup system parameter: backlight time, shut off automatically time without operation, press tone,
- Revise PPPoE / PPPoA dial attribute, user name and password; restore factory value and so on.
- Check dangerous voltage
- Four grades service judge(Excellent, Good, Ok, Poor)

4. 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)
Support 7 VDSL2 profiles: profile 8a, 8b, 8c, 8d, 12a, 12b, 17a

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

General Specification

Power supply	Internal Rechargeable 2800mAH Li-ion battery
Battery Duration	4 to 5 hours
Working temperature	0-40 °C
Working moisture	5%-90%
Dimensions	180mm×93mm×48mm
Weight:	<0.5kg





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