



Broadband Test Set



TS[®]1200 ADSL/POTS Test Set

*Simultaneous testing of
ADSL and POTS services*

The recent growth of ADSL services within the telecommunications industry has produced a need for test equipment that can handle the trouble tickets on both POTS and ADSL lines. The TS1200 ADSL/POTS test set from Harris does just that. It offers the very best in DataSafe™ POTS testing, combined with the ability to test and troubleshoot ADSL lines – all in a truly rugged case. The TS1200 test set allows technicians to test ADSL while talking on the POTS frequencies of a line. It also allows off-hook testing of POTS lines without disrupting data services. As the result, trouble tickets are cleared rather than created. Plus, because the TS1200 Test Set can test both POTS and ADSL, it reduces the need for separate handheld testers.

Easy-to-use menu screens, including a "Home" button that allows access to all major testing modes and configurations. This makes the TS1200 test set the perfect tester for the inexperienced technician. Plus, you can validate service activation, isolate failures between the customer premises and the service provider, and measure throughput, line capacity, and other parameters – all in one test. The backlit LCD screen displays 8 lines of text and can plot a bits-per-bin graph of test results. Plus you can save up to five results to download and print from a PC.

You can do an "auto" test, which takes a snapshot of the ADSL line, or you can do a "manual" test, which allows you to monitor line conditions for up to 90 minutes. On-screen icons show volume level, battery and charging levels, polarity, and Speaker or Mute button activity. An Alarm Display shows loss of signal, frame, power, or margin at the near or far end of the line.

With high-voltage protection, DropSafe™ ruggedness, RainSafe™ usability, and all the standard features of Harris butt-in test sets – like PBX Pause, Speed Dial, Last Number Redial, and Tone and Pulse dialing – the TS1200 test set is the essential piece of testing equipment for the telephone tech in the world of ADSL. The TS1200 also can be outfitted with a load coil detector. Which is perfect for central office installation and verification.

next level solutions



Features

- Ability to simultaneously test ADSL services and verify POTS lines
- DataSafe™ Technology allows for off-hook POTS verification without disrupting data services
- DropSafe™ reliability – withstands 12 foot drop test
- RainSafe™ protection against unfavorable field conditions
- Save/Download/Print – 5 results
- ADSL verification functions including:
 - ✓ Attainable bit rate
 - ✓ Channel bit rate
 - ✓ Maximum line capacity
 - ✓ Attenuation
 - ✓ Output power
 - ✓ Noise Margin
- Two ways to test ADSL: an automatic “snapshot” test for quick results, and a manual “monitor” test for up to 90 minutes of continuous testing
- Data Detection, Data Lockout, and Data Lockout Override in Talk mode
- Digital readout menu screens, including a “Home” button that allows access to all major testing modes and configuration functions from one screen
- High voltage protection
- High impedance monitor
- Speed Dial button – storage of 10 entries of 23 digits each
- Last Number Redial
- Field upgradable firmware/software
- Built-in speakerphone for hands-free use
- Continuous polarity indication in Talk mode
- Two power source options: 4 field replaceable AA Alkaline batteries or 4 rechargeable NiCd batteries
- AC adapter and 12V DC adapter for recharging NiCd batteries
- Field replaceable belt clip and line cord

Specifications**Modem Chip Set**

- Alcatel 20140 DMT Chipset
- Supports ANSI T1.423 Issue 2, ITU G.DMT, and G.LITE standards
- Able to synchronize with any Alcatel-compatible ADSL DSLAM

Display

- 8-line STN LCD, 166 x 64 pixel resolution
- 2.5" x 1.4" viewable area

Environmental

- Operating temperature: 0°C (32°F) to 50°C (°F)
- Storage temperature: -20°C (°F) to 70°C (°F)
- Relative Humidity: 5% - 85% non-condensing
- Rain and moisture resistant
- Designed to exceed 12 foot drop test

Electrical

- Battery life: NiCd 8 to 10 hours, fully charged; Alkaline (AA) 10 to 12 hours
- Charge time 4 to 5 hours
- Loop Limit 2kΩ maximum at 48 VDC (15 mA minimum loop current)
- DC Resistance (TALK Mode) 150 kΩ
- Monitor Impedance >120 kΩ 300 to 3400 Hz >60 kΩ 3400 Hz to 1.1mHz
- Rotary Dial Output Pulsing Rate: 10 pps ±1 pps Break / Make Ratio: 60/40 ± 3% Interdigit Interval: >300 ms Leakage During Break: 50 kΩ
- DTMF Output Tone Frequency Error: ± 1% maximum Tone Level: -3 dBm combined (typical) High versus Low Tone Difference 2dB +/- 2dB
- Memory Dialing Memory Capacity: 10 memories plus last number redial Digit Capacity: 23 digits per memory PBX Pause: 4 seconds

- Amplified Speaker Levels and Speakerphone Levels Normal and high
- Automatic Power Shut Off 5 min. after removal from a powered line
- Data Detection and Lockout Capability Twisted pair data services including: T1, E1, ISDN, PRI, ISDN BRI, HDSL, SW56, ADSL, and SDSL

Physical

- Length: 10 inches
- Width: 3-3/4 inches
- Height: 4-1/4 inches
- Weight: 2-1/2 lbs

Software Upgrade

- Windows 95® Upgrade utility (Requires serial COM Port)
- Free maintenance release within the warranty period

Line Cord

- Extra tensile strength Combi-line cord with bed-of-nail w/ piercing pin clips and RJ11 plug

Warranty

- 18 months against hardware defects

- Regulatory compliance CE EN55022, EN61326, EN610010.1

**Ordering Information**

Part Number	Description
25800-019	TS1200 ADSL/POTS Test Set Outside Plant without load coil
25800-119	TS1200 ADSL/POTS Test Set for Outside Plant with load coil
25800-124	TS1200 ADSL/POTS Central Office, includes CO combi cord

Product design and specifications subject to change without notice. All trademarks belong to their respective companies.