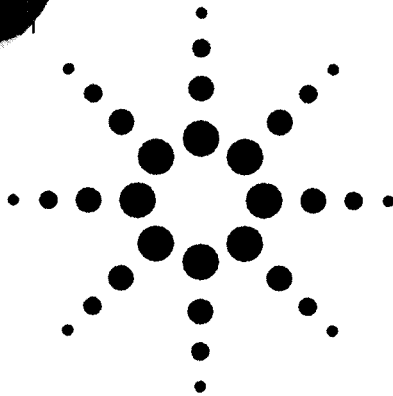
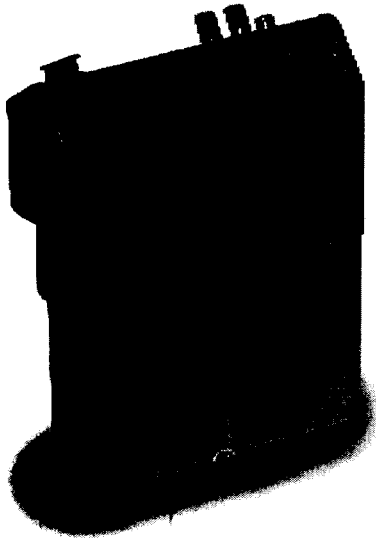


N1625A and N1626A xDSL TMS Modules for the Agilent Service Advisor

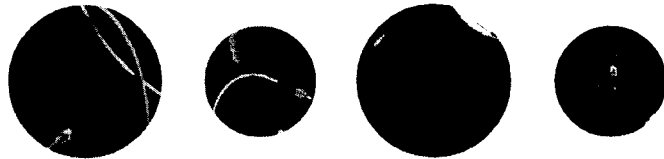


Agilent Technologies
Innovating the HP Way

Service Advisor xDSL TIMS Test Modules



Quickly Qualify Subscriber Loop for DSL, POTS, and ISDN



Agilent Technologies' xDSL TIMS module for the Service Advisor tablet and Telecom Toolkit is an advanced 2 MHz transmission impairment measurement set (TIMS) that provides comprehensive line qualification testing for subscriber loop circuits. The xDSL TIMS module's easy-to-use graphical interface and array of powerful line performance tools makes it the craftperson's ideal choice for xDSL, POTS, and ISDN service testing.

The Service Advisor xDSL TIMS module is available for either ANSI (N1625A) or ITU (N1626A) applications.

Digital Subscriber Line Transmission Testing

Physical layer testing on the subscriber loop is an essential part of installing digital subscriber line (DSL) services such as ISDN, ADSL, HDSL, and even POTS. Delivering these high-speed digital services over existing copper pairs requires that the line be qualified, and free from such impairments as load coils, crosstalk, bridge taps, noise, and so on.

Agilent's xDSL TIMS provides a flexible, versatile tool for evaluating outside plant, line qualifications, physical layer testing, and troubleshooting. The xDSL TIMS module can be used with the Service Advisor tablet or Telecom Toolkit undercradle. Both platforms feature one-touch software support, color graphs and plotting, and integration with related testing functions.

Powerful Features for Full TIMS Capability

Transmitter Frequency

- 50 Hz to 2 MHz

Receiver Frequency

- 50 Hz to 2 MHz

Line Impedance

N1625A:

- 100, 135, 150, 600, 900, and 1200 ohm; Bridge mode

N1626A:

- 100, 120, 135, 150, 600, and 900 ohm; Bridge mode

Interface Connectors

N1625A:

- P1/P2: Bantam or WEC0 310
- Dial: Banana and RJ-11 (butt set)
- Signaling port

N1626A:

- P1/P2: 3-pin Siemens
- Dial: Banana jacks

Noise Parameters

- Filters: C-Message weighting, C-Notched, 3.4 kHz Flat, 3.4 kHz Flat-notched, D Filter, D-Notched, E Filter, F Filter, G Filter
- Measurements: Noise, Noise with tone, 3-level impulse noise, Noise-to-ground, S/TD with holding tone, 23-Tone Measurements, IMD (2nd & 3rd order), S/TD, S/N, Level, EDD

P/AR

- N1625A only

Power Spectral Density and Power Spectrum

- Graphical display 50 Hz to 2 MHz

AC and DC Voltage

- Measures DC tip-to-ring line voltage -204 volts to +204 volts

Transmission Characteristics

- Gain, phase, amplitude hits
- Phase and amplitude jitter
- Dropouts

Complex Impedance

- Measures resistive and reactive components and capacitance.

Loop Test

- 430 ohm load simulates typical off-hook conditions. Loop current and resistance measurements performed.

Load Coil Detector

- Detects up to four load coils.

DC Holding Current

- Nominal 23 mA holding current mode may be selected.

Standard Signaling

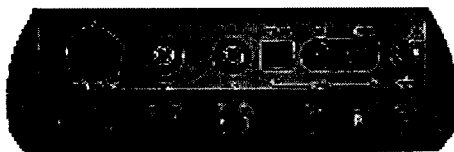
- DTMF tone generation
- MF tone generation
- Nine stored numbers
- Loop Start CI emulation

Advanced Signaling

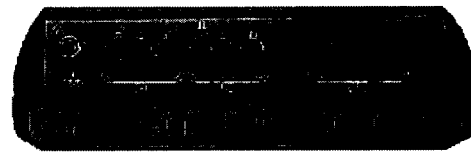
(N1625A only; requires Opt 010)

- Trunk types: Loop Start, Ground Start, E&M I/II/III, Loop Reverse Battery
- -48 Vdc battery in CO emulation
- DTMF tone generation
- MF tone generation
- DP dialing support
- DTMF/MF tone decoding
- Signaling event log
- DC resistance
- AC voltage

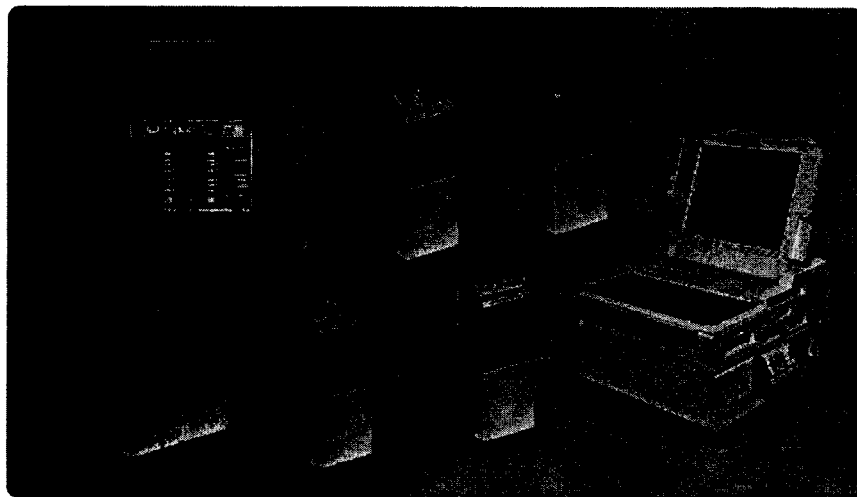
Interface connectors for N1625A



Interface connectors for N1626A



Related Products



All Agilent test modules, including the xDSL TIMS modules, can be used interchangeably with both Agilent's Service Advisor portable test tablet and Internet Advisor PC platforms. Modules plug directly into the Service Advisor tablet or Agilent's Service Advisor Undercradle, which attaches to the Internet Advisor network analyzer.

N1610A Service Advisor Test Tablet

Agilent's Service Advisor Test Tablet is a lightweight, portable platform that supports a complete range of installation and maintenance testing requirements. The battery-powered tablet features a color touchscreen, and accepts all of the single and dual-slot application modules listed below.

N1700A Service Advisor Undercradle

The Service Advisor Undercradle attaches to Agilent's Internet Advisor network analyzer, allowing Internet Advisor users to share use of single and dual-slot plug-in testing modules. The undercradle allows field organizations to combine physical network and service deployment testing with the Internet Advisor's powerful, higher-layer protocol analysis capabilities.

Ordering Information

N1625A 2 MHz North American TIMS Module (ANSI)

- opt 010: Advanced Signaling option
- opt 100: WECO 310 connectors
- opt 110: Bantam connectors

N1626A 2 MHz ITU TIMS Module

N1610A Service Advisor Test Tablet

N1660A Dual DS1/0 Test Module

Agilent's Dual DS1/0 Test Module for the Service Advisor platform simplifies DS1 and DS0 testing by providing complete analysis of line conditions and status in both directions with the touch of a single button.

N1640A ATM Cell Processor Test Module

Combined with the SONET/SDH Test Module, the ATM module provides complete SONET/SDH ATM BER, QoS and VPI/VCI testing capabilities at up to 155 Mbp/s line rates.

N1645A SONET/SDH Test Module

This line interface module provides connectivity and physical layer SONET and SDH testing for OC-1, OC-3c, STM-0 (optical) and STM-1(optical) lines.

N1629A TDR Test Module

Agilent's TDR module provides a wide range of easy-to-use, accurate tools for locating faults or measuring span length for any type of metallic cabling, including copper twisted-pair or coaxial wiring.

For more information about Agilent Technologies test and measurement products, applications, services, and for a current sales office listing, visit our web site: <http://www.agilent.com/find/tmdir>

You can also contact one of the following centers and ask for a test and measurement sales representative.

United States:

Agilent Technologies
Test and Measurement Call Center
P.O. Box 4026
Englewood, CO 80155-4026
(tel) 1 800 452 4844

Canada:

Agilent Technologies Canada Inc.
5150 Spectrum Way
Mississauga, Ontario
L4W 5G1
(tel) 1 877 894 4414

Europe:

Agilent Technologies
Test & Measurement
European Marketing Organisation
P.O. Box 999
1180 AZ Amstelveen
The Netherlands
(tel) (31 20) 547 9999

Japan:

Agilent Technologies Japan Ltd.
Measurement Assistance Center
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