

Advanced Test Equipment Rentals www.atecorp.com 800-404-ATEC (2832)



Wireline access networks

For more information, ask for HP's complete Test & Measurement Catalog or individual product data sheets. (See back cover.) Visit our website: http://www.tmo.hp.com



Rugged, portable and easy to use TIMS

The HP 4934A TIMS is ideal for the installation and maintenance of special services which use a wide range of analog circuit types. It provides tests to qualify the local loop for DDS, basic rate ISDN and HDSL.

With one-button-per-function operation, the dedicated keys and indicators allow you to see the measurement setup at a glance. Measurements, using IEEE 743 methods, include:

- 20 Hz to 110 kHz operation (optionally 200 kHz)
- level and frequency
- noise and noise-to-ground
- noise-with-tone and S/N ratio
- 3-level impulse noise
- P/AR
- RS-232-C remote control
- Flash memory.

Measure to ITU-T Standards The HP 4934A TIMS options J01 and J02 are for voice-frequency or wideband leased lines to ITU-T specifications. Select option J01 for countries with 820 Hz holding tone and Option J02 for countries with 1020 Hz holding tone.



Wide range of HDSL installation and maintenance tests

The HDSL Installer's Assistant offers a wide range of capabilities for HDSL circuit installation and maintenance including:

- HDSL plug-in card powering and
- Load coil detection
- Cable loss measurement
- noise and noise-to-ground
- T1 BERT.

The HDSL Installer's Assistant is a field-portable, rugged unit which accepts central office, doubler, and remote unit HDSL plug-in cards. The plug-in cards are powered from the built-in AC power supply; or they may be line powered. The unit can verify proper operation of the HDSL cards with each other. Easily accessible front-panel break jacks allow connection to the circuit. If the circuit does not come up properly with the plug-ins, the technician can access the cable pairs at any point in the span to sectionalize the problem to an individual part of the cable span.

After the pre-turn up tests are completed and the HDSL plug-ins are installed, the technician can use the built-in T1 BERT tester for final turn up and trouble shooting. Using a pair of HDSL Installer's Assistants, it's a simple matter to generate an end-toend HDSL signal on the cable span.