



HP 4934A

HP 4934A TIMS

The HP 4934A transmission impairment measuring set (TIMS) increases installation and maintenance productivity for telephone companies and service providers through its ease of use, portability, and ruggedness. Measurements include:

- Level/frequency up to 110 kHz (200 kHz option)
- Noise and noise-to-ground
- Noise-with-tone and signal-to-noise ratio
- Three-level impulse noise
- P/AR
- RS-232 remote control (not available with J01/J02)

The HP 4934A TIMS Option J01 and J02 are versions of the instrument with measurements for installation and maintenance of voice frequency or wideband leased lines to CCITT specifications. Option J01 is for countries with 820 Hz holding tone. Measurements are to CCITT specifications:

- Level/frequency to 110 kHz
 - Circuit noise
 - Noise-with-tone and signal-to-noise ratio
- (Optional battery with typical 6 hours of operation.)

Ordering Information

HP 4934A 110 kHz TIMS

- Opt 001 Internal Battery and Charger
- Opt 021 200kHz Wideband (ANSI VER only)
- Opt J01 CCITT (820 Hz tone)
- Opt J02 CCITT (1070 Hz tone)



HP 37701B or HP 37702A

HP 37701B and HP 37702A T1/Datacom Tester

The HP 37701B T1/datacom tester offers complete T1 and fractional T1 bit-error and signal measurements. It also generates tones in a channel and allows VF signals in any timeslot to be monitored. Test results are presented using easy-to-read bar charts allowing quick analysis of the circuit trouble. Tests can be performed using auto-configure or user-prestored setups for fast and easy testing. Optional pulse shape and clock slip analysis allow quick, graphic interpretation of distortion and timing problems. DTE/DCE interface and measurements can be added for datacom testing.

The HP 37702A digital data tester has all the functions of the HP 37701B plus DDS capabilities in one unit. It performs the full range of DDS testing from simple in-service tests to complete installation and acceptance tests. Built-in T1 channel access allows access to a signal in any timeslot.

Measurement Summary

T1: Auto code, frame, and pattern detection, error monitoring, BER testing, alarm, and event generation, ESF decode and encode, DS1 signal level and frequency, fractional T1 n x 56 or n x 64 kb/s contiguous or non-contiguous

DDS: (DS0A, DS0B) BER testing, error correction, error monitoring, loop back operation and MJU control

Ordering Information

HP 37701B T1/Datacom Tester

HP 37702A T1/DDS Tester

- Opt 001 Pulse Shape
- Opt 002 Data Comm
- Opt 004 DSOB Testing (HP 37702 only)

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