



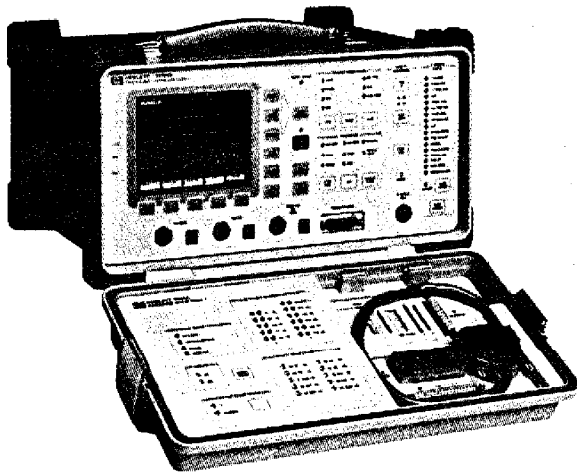
TELECOMMUNICATIONS & DATA COMMUNICATIONS TEST

T1/Datacom Test Sets, DS3 Test Set

HP 37702A Opt 002, 37701B Opt 002, 37743A

- Combined T1, FT1, DDS, and datacom testing up to 1.5 Mb/s; no need for separate plug-ins
- Powerful results storage and analysis without using a printer

- Comprehensive DS3 analysis and alarm monitoring
- DS3 generation and test on M13, C-bit and unframed formats
- Simultaneous in-service DS1 and DS2 alarms and analysis



HP 37702A

HP 37702A Option 002 Digital Data Tester

The HP 37702A Option 002 combines T1, FT1, and DDS measurements at RS-232-C, RS-449 (balanced), and V.35 interfaces. In addition to the standard HP 37702A measurements (see page 548), the tester performs timing analysis on interface control leads, with transition diagrams on the screen. It has results storage and histogram alarm/results presentation on the screen, and includes RS-232 breakout.

Specifications (Option 002)

Datacom Interfaces: RS-232, RS-449, V.35, DTE, or DCE
Data Rates: 600 b/s to 1.544 Mb/s (synchronous: built-in synthesizer); 50 b/s to 19.2 kb/s (asynchronous)
Test Patterns: 63, 511, 2047, $2^{15} - 1$, PRBS, QRSS (all invertible); all 1s, 1010 . . . , 1024-bit word, FOX message

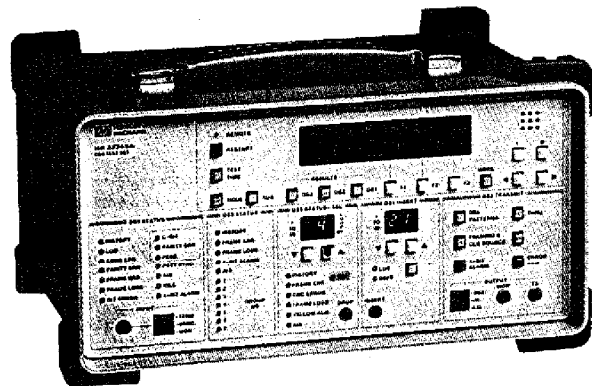
HP 37701B Option 002 T1/Datacom Tester

Combined datacom testing (as described above) with T1/FT1 testing described on page 548 (HP 37701B).

Ordering Information

HP 37702A Digital Data Tester with Opt 002
 HP 37701B T1/Datacom Tester with Opt 002

Price
 \$11,340
 \$8,990



HP 37743A

HP 37743A DS3 Test Set

The HP 37743A is a DS3 test set with built-in multiplexer and demultiplexer to DS1. It offers both in-service and out-of-service tests. Front-panel LEDs give the status of the circuit at a glance. C-bit parity is included for testing the most modern links. A large range of patterns helps find the more difficult faults and analysis gives a measure of long-term performance.

Applications

- Installation and maintenance of DS3 circuits at:
 - Telephone exchanges
 - Customer premises

Measurement Summary

Measurements: Bit, code, parity, frame, C-parity, FEBE
DS3 Alarm LEDs: Loss of signal, code error, parity error, frame error, frame loss, bit error, pattern loss, AIS, idle, X-bit
At DS1: CRC and frame errors
DS1 Alarm LEDs: Frame error, CRC error, frame loss, yellow alarm, AIS, ESF

Ordering Information

HP 37743A DS3 Test Set

Price
 \$7,500

Accessories

HP 15710A Soft-Fabric Carrying Case \$220
 HP 15733A Thermal Printer \$420