HP 37722A

Telecom Analyzer

The 37722A telecom analyzer offers installation and maintainance teams in-service and out-of-service BER and signal measurements on CEPT digital circuits - in a portable, rugged package.

For installation and troubleshooting, the analyzer has framed/unframed pattern generation and measurements at 2 Mb/s (standard and CRC-4) and n x 64 kb/s testing. Options add framed/unframed 704 kb/s and 8 Mb/s, n x 64 kb/s timeslot access, sub-64 kb/s testing, slips/wander, tone generation and measurement, M.2110 and M.2120 measurements.

For installation and maintenance of CEPT-compatible datacom circuits and services, adding the 15901A Option 001 datacom module, upgrades the 37722A to the 37732A telecom/datacom analyzer,

The Datacom module gives you error performance testing at four telecom interfaces and V.24, V.35, V.11/X.21-leased datacom interfaces at rates up to 2 Mb/s. It also provides a full range of BER/BLER measurements; control-circuit timing analysis; a built-in V.24 breakout box; and an internal synthesizer.

Plus . . . the analyzer provides an optional remote control interface for centralized testing and monitoring.

*For Quality of Service measurements and monitoring, ITU-T M.2100 and G.821 measurements are standard, as is round trip delay.

Features:

The 37722A telecom analyzer offers powerful, dedicated features that simplify telecom/datacom testing.

- Weight 5.9 kg (12.5 lb)
- Dimensions: (mm)190 (H) x 340 (W) x 208 (D)
- Display: mono
- Status indicators
- 'Trouble Scan' mode
- Stored measurement graphics
- Test timing
- Frequency measurement
- Front panel lock
- Printer interface RS-232-C, GP-IB

Depending on options fitted . . .

Telecom measurements (all simultaneous):

- Error measurements
- ITU-T M.2100, M2110, M.2120 analysis
- ITU-T G.821 analysis
- Tones
- Timeslot monitor
- x.50 and x.58
- Alarms
- Frequency and frequency offset
- Slips and changes of frame alignment
- Round trip delay
- CAS Signaling analysis

Optional datacom measurements (all simultaneous):

- Error measurements
- ITU-T M.2100 analysis
- ITU-T G.821 analysis
- Alarms
- Frequency
- Control-circuit timing analysis
- Delay

Specifications:

- 8 Mb/s measurements (Option 002)

- 704 kb/s measurements (Option 003)
- Sub-64 kb/s testing (Option 005)
- Timeslot access (Options 005 and 006)
- Tone generation and measurement (Options 005 and 006)
- Relative frequency and bit slips (option 010)
- ITU-T M.2110 and M.2120 (Option 210)
- Remote control via E4540A DNA software (opt. USS)