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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 37722A Telecom Analyzer

HP Agilent 37722A Telecom Analyzer Module The HP/Agilent 37722A isatelecom analyzer module associated with HP digital transmission test platforms for PDH/SDH-oriented error and signal analysis. OEM family literature places 37722-series modules in multi-rate communications test mainframes for in-service and out-of-service measurements. Telecom transmission testing, PDH error analysis, and modular communications test systems. Host Platform Class: HP digital transmission test mainframe class The HP/Agilent 37722A isatelecom analyzer module associated with HP digital transmission test platforms for PDH/SDH-oriented error and signal analysis. OEM family literature places 37722-series modules in multi-rate communications test mainframes for in-service and out-of-service measurements. Telecom transmission testing, PDH error analysis, and modular communications test systems. Host Platform Class: HP digital transmission test mainframe class Primary Measurements: Error performance and signal analysis class



MODEL

**HP / Agilent
37722A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

37722A

LISTING

<https://aumictechlabs.com/products/37722a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 37722A Telecom Analyzer is a portable bit error rate and signal measurement instrument for in-service and out-of-service testing on CEPT digital circuits and services. It performs framed and unframed pattern generation and measurement at 2 Mb/s, with support for n × 64 kb/s testing. The field-portable design enables rapid deployment for installation,

maintenance, and troubleshooting across telecommunications networks. Technical Specifications

Bit Rates & Clocking Primary operation: 2.048 Mb/s, 64 kb/s Optional rates: 8.448 Mb/s (Option 002), 704 kb/s (Option 003), sub-64 kb/s (Option 005) Internal clock: 2.048 MHz, 64 kHz (± 10 ppm) Datacom synchronous timing from 50 b/s Measurement Modes In-service and out-of-service bit error measurements Framed and unframed pattern generation and analysis $n \times 64$ kb/s testing Timeslot access with signaling bit display Control-circuit timing analysis with transition diagrams Event-based storage in text and graphic formats ITU-T M.2110 and M.2120 analysis (Option 210) Relative frequency and bit slip measurement (Option 010) Interfaces & Connectivity Telecom: ITU-T G.703 and G.823 compliant; 75 Ω unbalanced BNC connectors (replaceable with Siemens connectors via Option 004) Datacom (with HP 37732A module): V.24, V.11/X.21-leased, V.35 interfaces DTE/DCE terminal emulation with isolation switches and four-state indicators Control-circuit support: RS, CS, TR/DTR, DM/DSR, RR/RLSD Built-in V.24 breakout box and internal synthesizer Remote control: RS-232-C standard; HP-IB option (Option H02) Key Features Lightweight field-portable construction Timeslot monitor displaying all signaling bits Tone generation and measurement (Options 005, 006) Sub-64 kb/s testing to ITU-T X.50 and X.58 (Option 005) Rechargeable battery power option (Option B12) Distributed network analyzer firmware support (Option USS) Typical Applications CEPT digital circuit installation and commissioning In-service network performance monitoring Maintenance troubleshooting and fault isolation Timeslot-level signaling analysis Control-circuit timing verification Compatibility & Integration Upgrade to HP 37732A Telecom/Datacom Analyzer via HP 15901A Datacom Module (Option 001), adding V.24, V.35, and V.11/X.21-leased interface testing up to 2 Mb/s with BER measurements and control-circuit timing analysis.

37722A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Telecom analyzer module
Host Platform Class	HP digital transmission test mainframe class
Series Family	HP 37722A
Primary Measurements	Error performance and signal analysis class
Form Factor	Plug in module
Remote Interface Class	Via mainframe HP IB class
Operating Temperature Class	Laboratory ambient class
Power	Supplied by host mainframe
Warmup Class	Per mainframe recommendation
Calibration Interval Class	One year class
Bit Rates Class	PDH rate set supported by host class
Interfaces Class	Telecom electrical interfaces class
Pattern Generation Class	Supported via system class
Error Detection Class	Bit and code errors class
Display	Through host mainframe
Export Classification Class	Commercial telecom test class
Weight Class	Single slot module class
Status Reporting	Mainframe status system class
Use Case	Digital transmission testing
Related Family	HP 377xx communications analyzers
In Service Monitor Class	Supported class
Out Of Service Test	Supported class
Operating temperature	Class: Laboratory ambient class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Use Case	Digital transmission testing
Related Family	HP 377xx communications analyzers
In Service Monitor Class	Supported class
Out Of Service Test	Supported class Notes From HP/Agilent 37722A telecom analyzer module family documentation. Confirm exact rates and connectors on the mainframe configuration guide.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance analysis class	
HP IB system control class	
Technical Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.