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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 37721A Digital Transmission Analyzer

The HP 37721A Digital Transmission Analyzer is a portable CEPT-rate bit and code error test set. OEM product descriptions list European CEPT rates 704 kbit/s, 2, 8, 34 and 140 Mbit/s, G.703 interfaces, G.821 error performance measurements, auto setup to the incoming data, nine stored setups, and graphic display of error counts error seconds and alarms. CEPT PDH path commissioning and maintenance, bit and code error testing at E1 to E4 rates, G.821 performance analysis, and field logging to internal or external printers. Tx Rx Capability: transmit and receive at listed CEPT rates Primary Use: European CEPT digital transmission analysis Remote Interfaces Option: RS-232-C and HP-IB with Option 001 Documentation Basis: HP/Keysight 37721A product specification summaries



MODEL HP / Agilent 37721A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 37721A	LISTING https://aumictechlabs.com/products/37721a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 37721A Digital Transmission Analyzer is a portable, rugged test set for bit and code error testing of European CEPT digital communication systems. It delivers comprehensive error performance measurement to CCITT Recommendation G.821 standards, with graphical display of error counts, error seconds, and alarms. The instrument combines field-proven reliability with operator convenience through autoseup configuration and nine programmable setups for rapid parameter access. Technical Specifications Supported data rates: 704 kb/s, 2.048 Mb/s, 8.448 Mb/s, 34.368 Mb/s, 139.264 Mb/s (European CEPT) Measurement capabilities:

bit error testing, code error testing, FAS error testing Error performance standard: CCITT Recommendation G.821 Interfaces: G.703, RS-232, HP-IB Timing recovery: Available at 704 kb/s and 2.048 Mb/s from received data Clock offset (Option 003): ± 100 ppm around standard rates Power requirements: 115 V (+10% -22%) or 230 V (+10% -18%), 48 Hz to 66 Hz Key Features Autosetup facility automatically configures to incoming data Nine stored setups enable instant recall of test parameters Graphical display with real-time error visualization Data pattern generation and reception across supported rates Internal or external printer output for result documentation Lightweight, portable design for field deployment Optional Capabilities Option 002: Multiple outputs (four total) Option 003: Transmit clock offset Compatibility & Integration The 37721A complies with CCITT Recommendation G.821 and G.703 interface standards, enabling integration into European telecommunications test environments. RS-232 and HP-IB control interfaces support both manual operation and automated test sequences.

37721A Characteristics / Specifications

PARAMETER	VALUE
Model	HP 37721A
Rate 704 kbit/s	supported
Rate 2 Mbit/s	supported
Rate 8 Mbit/s	supported
Rate 34 Mbit/s	supported
Rate 140 Mbit/s	supported
Interfaces	G.703
Error Performance Standard	CCITT G.821
Measurements	bit and code error testing
Auto Setup	automatically configures to incoming data
Stored Setups	9
Display	graphic error counts error seconds alarms
Logging	internal or external print
Form Factor	portable lightweight rugged test set
Manufacturer Line	HP Agilent Keysight
Tx Rx Capability	transmit and receive at listed CEPT rates
Primary Use	European CEPT digital transmission analysis
Frequency Offset Option Maximum	100 ppm
Remote Interfaces Option	RS-232-C and HP-IB with Option 001
Documentation Basis	HP/Keysight 37721A product specification summaries

37721A Specifications

PARAMETER	VALUE
HP 37721A Digital Transmission Analyzer	Overview
Key Features	CEPT rates 704 kbit/s to 140 Mbit/s
Nine stored setups	G.821 error performance
Technical Specifications	Model: HP 37721A

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 measurements, auto setup to the incoming data, nine stored setups, and graphic display of error counts error seconds and alarms.

Applications
CEPT PDH path commissioning and maintenance, bit and code error testing at E1 to E4 rates, G.821 performance analysis, and field logging to internal or external printers.

Key Features
CEPT rates 704 kbit/s to 140 Mbit/s
Auto setup to incoming data
Nine stored setups
G.821 error performance
Graphic results and logging

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	HP 37721A
Rate 704 kbit/s	supported
Rate 2 Mbit/s	supported
Rate 8 Mbit/s	supported
Rate 34 Mbit/s	supported
Rate 140 Mbit/s	supported
Interfaces	G.703
Error Performance Standard	CCITT G.821
Measurements	bit and code error testing
Auto Setup	automatically configures to incoming data
Stored Setups	9
Display	graphic error counts error seconds alarms
Logging	internal or external print

Option 001: RS-232-C and HP-IB interfaces
Option 002: four channels of multiplexer or digital radio
Option 003: frequency offset up to 100 ppm

Specifications

PARAMETER	VALUE
Form Factor	portable lightweight rugged test set
Manufacturer Line	HP Agilent Keysight

PARAMETER	VALUE
Tx Rx Capability	transmit and receive at listed CEPT rates
Primary Use	European CEPT digital transmission analysis
Frequency Offset Option Maximum	100 ppm
Remote Interfaces Option	RS-232-C and HP-IB with Option 001
Documentation Basis	HP/Keysight 37721A product specification summaries

Notes

From HP/Keysight 37721A Digital Transmission Analyzer product specification summaries. Confirm installed options 001/002/003 on the configuration label.

Ordering Information

OPTION	DESCRIPTION
Option 001	Documentation Basis: HP/Keysight 37721A product specification summaries

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

Aumictech

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.