



Aumictech

Test & measurement · bought, sold, repaired, calibrated

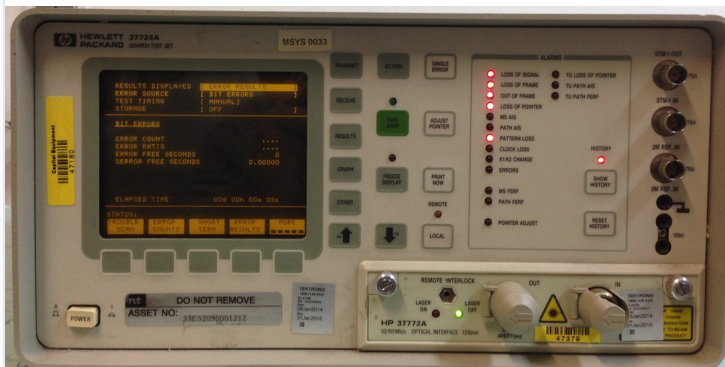
Data Sheet

August 12, 2026

HP

HP 37724A SDH PDH Test Set w/ Opt 005

The HP 37724A SDH/PDH Test Set with Option 005 is a field-portable instrument for testing and verifying Synchronous Digital Hierarchy and Plesiochronous Digital Hierarchy telecommunications networks. It generates and analyzes SDH signals up to STM-4 (622 Mb/s) and PDH signals at 2 Mb/s, 34 Mb/s, and 140 Mb/s, with full control over regenerator section, multiplexer section, and path overhead bytes. Option 005 adds structured PDH testing capabilities and enhanced jitter and wander measurement functions critical for signal quality assurance. The test set stresses network equipment through error, alarm, and G.783 pointer movement generation to exceed CCITT standards, making it suitable for installation, acceptance testing, commissioning, maintenance, R&D, and production environments. Compatibility & Integration Supports optical modules including HP 37771A (STM-1) and HP 37776A (STM-1/4). Note: Options 004 and 005 are mutually exclusive. Aumictech offers NIST-traceable calibration and repair for the HP 37724A. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt.



MODEL	CALIBRATION
HP 37724A	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
37724A	https://aumictechlabs.com/products/37724a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

Network Coverage

SDH: STM-1 (155 Mb/s) to STM-4 (622 Mb/s) PDH: 2 Mb/s (E1), 34 Mb/s, 140 Mb/s

Electrical Interfaces

2.048 Mb/s (HDB3) 139.264 Mb/s (CMI) 155.52 Mb/s (CMI)

Optical Interfaces

STM-1 (155.52 Mb/s) at 1310 nm and 1550 nm STM-4 (622.08 Mb/s) at 1310 nm and 1550 nm

Payload Mapping

2 Mb/s TU-12 structured payloads 34 Mb/s TU-3 structured payloads 140 Mb/s payloads Unframed, framed, or fully structured down to 64 kb/s timeslot Add/Drop Capabilities 2 Mb/s and 140 Mb/s tributary channels STM-1 signals Overhead DCC channels

Key Features

Regenerator section, multiplexer section, and path overhead byte control Error and alarm generation exceeding CCITT standards G.783 pointer movement sequence generation Separate PDH ports configurable as drop/insert or transmit/receive Jitter and wander measurement (Option 005) Structured PDH testing at 2 Mb/s, 34 Mb/s, and TU12/TU2/TU3 levels (Option 005)

Typical Applications

Network installation and commissioning Equipment acceptance testing Field maintenance and troubleshooting Production testing R&D validation

Compatibility & Integration

Supports optical modules including HP 37771A (STM-1) and HP 37776A (STM-1/4). Note: Options 004 and 005 are mutually exclusive.

Features & description

From manufacturer datasheet

Technical Specifications

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HP 37724A — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the HP 37724A. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote →

HP 37724A price

This HP 37724A is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

HP 37724A calibration cost

NIST-traceable calibration for the HP 37724A is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

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Unit notes

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PDH: 2 Mb/s (E1), 34 Mb/s, 140 Mb/s

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Add/Drop Capabilities

2 Mb/s and 140 Mb/s tributary channels STM-1 signals

Overhead DCC channels

Key Features

Regenerator section, multiplexer section, and path overhead byte control

Error and alarm generation exceeding CCITT standards

G.783 point

37724A Specifications

PARAMETER	VALUE
Wavelength Range	1310 nm, 1550 nm

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.

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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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
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<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.