


Aumictech

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

HP

HP OmniBER 717 Model 37717C opt. (120 131 A3B UKP USS) / 15777C opt (110)

The HP OmniBER 717 Model 37717C is a communication performance analyzer with options for testing a wide range of interfaces and protocols. Options include (120 131 A3B UKP USS) for model 37717C and (110) for model 15777C.



MODEL

HP 37717C/15777C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

37717C/15777C

LISTING

<https://aumictechlabs.com/products/37717c-15777c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP OmniBER 717 Model 37717C is a field-portable communications performance analyzer for installation, maintenance, and commissioning of PDH/SDH/SONET and ATM transport networks. Supporting rates from 704 kb/s to 622 Mb/s (OC-12/STM-4), this modular tester integrates T-Carrier, PDH, SONET/SDH, ATM, and jitter measurement capabilities in a single mainframe. Its color display and integral floppy disk drive enable rapid field deployment and reconfiguration across SONET or SDH platforms. Technical Specifications Supported Rates and Protocols Data rates: 704 kb/s to 622 Mb/s (OC-12/STM-4) Network types: PDH, SDH, SONET, ATM transport PDH rates: 2, 8, 34, and 140 Mb/s SDH rates: STM-0, STM-1, STM-4, STM-4c/OC-12c Measurement Capabilities Bit Error Rate (BER) Jitter and wander generation and measurement Optical power measurement Frequency measurement and offset generation (up to 999 ppm for

SDH) ATM services layer testing Protection Switch time testing SDH Alarm Scan and Tributary Scan AU and TU Pointer Movement generation with graphical display DCC Drop and Insert capability Optical Interfaces Wavelengths: 1310 nm and 1550 nm STM-0, STM-1, and STM-4 optical support FC/PC connectors (with option UH4) Electrical Interfaces STM-0e (52 Mb/s) and STM-1e (155 Mb/s) electrical interfaces DS1, DS3, E1, E3 interfaces (with option 110) PDH electrical interfaces for 2, 8, 34, and 140 Mb/s Insert Port capability for 2, 34, and 140 Mb/s Key Features Modular design with dedicated slots for interface and measurement modules Payload and overhead testing at electrical and SDH interfaces Structured (option UKJ) and unstructured (option UKK) PDH testing Bulk Filled and Mixed payload support THRU mode for payload and section overhead modification Compatibility & Integration Remote control and data interfaces include GPIB, RS-232-C, LAN, Parallel, and HP-IB connectivity for integration into automated test environments.

Features & description

From manufacturer datasheet

Technical Specifications

Data rates: 704 kb/s to 622 Mb/s (OC-12/STM-4) Network types: PDH, SDH, SONET, ATM transport
PDH rates: 2, 8, 34, and 140 Mb/s SDH rates: STM-0, STM-1, STM-4, STM-4c/OC-12c Measurement
Capabilities Bit Error Rate (BER) Jitter and wander generation and measurement Optical power
measurement Frequency measurement and offset generation (up to 999 ppm for SDH) ATM services
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Movement generation with graphical display DCC Drop and Insert capability Optical Interfaces
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capability for 2, 34, and 140 Mb/s

Key Features

Modular design with dedicated slots for interface and measurement modules Payload and overhead
testing at electrical and SDH interfaces Structured (option UKJ) and unstructured (option UKK) PDH
testing Bulk Filled and Mixed payload support THRU mode for payload and section overhead
modification Compatibility & Integration Remote control and data interfaces include GPIB, RS-232-C,
LAN, Parallel, and HP-IB connectivity for integration into automated test environments.

HP 37717C/15777C — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the HP 37717C/15777C. 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 37717C/15777C price

This HP 37717C/15777C is listed at . Calibration is available separately from . Contact us for volume
pricing or if you need multiple units.

HP 37717C/15777C calibration cost

NIST-traceable calibration for the HP 37717C/15777C 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 →

Unit notes

The HP OmniBER 717 Model 37717C is a field-portable communications performance analyzer for installation, maintenance, and commissioning of PDH/SDH/SONET and ATM transport networks. Supporting rates from 704 kb/s to 622 Mb/s (OC-12/STM-4), this modular tester integrates T-Carrier, PDH, SONET/SDH, ATM, and jitter measurement capabilities in a single mainframe. Its color display and integral floppy disk drive enable rapid field deployment and reconfiguration across SONET or SDH platforms.

Technical Specifications

Supported Rates and Protocols

Data rates: 704 kb/s to 622 Mb/s (OC-12/STM-4)

Network types: PDH, SDH, SONET, ATM transport

PDH rates: 2, 8, 34, and 140 Mb/s

SDH rates: STM-0, STM-1, STM-4, STM-4c/OC-12c

Measurement Capabilities

Bit Error Rate (BER)

Jitter and wander generation and measurement

Optical power measurement

Frequency measurement and offset generation (up to 999 ppm for SDH)

ATM services layer testing

Protection Switch time testing

SDH Alarm Scan and Tributary Scan

AU and TU Pointer Movement generation with graphical display

DCC Drop and Insert capability

Optical Interfaces

Wavelengths: 1310 nm and 1550 nm

STM-0, STM-1, and STM-4 optical support

FC/PC connectors (with option UH4)

Electrical Interfaces

STM-0e (52 Mb/s) and STM-1e (155 Mb/s) electrical interfaces

DS1, DS3, E1, E3 interfaces (with option 110)

PDH electrical interfaces for 2, 8, 34, and 140 Mb/s

Insert Port capability for 2, 34, and 140 Mb/s

Key Features

Modular design with dedicated slots for inte

37717C/15777C 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.

The HP OmniBER 717 Model 37717C is a communication performance analyzer with options for testing a wide range of interfaces and protocols. Options include (120 131 A3B UKP USS) for model 37717C and (110) for model 15777C.

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Compatibility & Integration Remote control and data interfaces include GPIB, RS-232-C, LAN, Parallel, and HP-IB connectivity for integration into automated test environments.

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37717C/15777C Specifications

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Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values

Request Calibration → Request Repair Quote →

HP 37717C/15777C price

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HP 37717C/15777C calibration cost

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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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Generated August 12, 2026

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