

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

HP

HP OmniBer 718A / 37718A W/OPT 002 012 106 200 601 UK6

HP Bit Error Rate Testers (BERT). Frequency range: 0.1 Hz to 20 MHz, Frequency range: 10 µHz to 0.125 Hz.



MODEL

HP 718A/37718A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

718A/37718A

LISTING

<https://aumictechlabs.com/products/718a-37718a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP OmniBER 718A / 37718A is a field-portable communications performance analyzer engineered for multi-rate BER and jitter testing across SDH/SONET, ATM, and Packet over SDH transport networks. Operating from 64 kb/s to 2.5 Gb/s (STM-16/OC-48), this instrument delivers simultaneous measurement analysis including G.826, M.21XX, and G.821 compliance verification. Smartsetup autodiscover and Smart Tests streamline configuration and execution, while automatic signal structure detection and protection switching measurement (ring and linear networks) accelerate field deployment and commissioning workflows. Technical Specifications BER and Signal Testing Multi-rate operation: 64 kb/s to 2.5 Gb/s SDH rates: STM-16, STM-16c, STM-4, STM-4c, STM-1 to ITU-T G.707; STM-0 to ITU-R F.750 PDH/T-Carrier: 2, 8, 34, 140 Mb/s; DS1, DS3 Concatenated payloads supported at all synchronous rates to 2.5 Gb/s Structured, framed, and unframed payload modes with 64 kb/s and $n \times 64$ kb/s timeslot testing Drop/insert capability:

2/34/140 Mb/s extraction and insertion Jitter and Wander Characterization Generation and measurement at 1.5, 2, 8, 34, 45, 140, 52, 155, 622, and 2,488 Mb/s Jitter frequency range: 0.1 Hz to 20 MHz Jitter amplitude: Up to 800 UI Wander frequency range: 10 μ Hz to 0.125 Hz Wander amplitude: Up to 57,600 UI Jitter transfer measurement with 10 Hz narrowband filtering Compliance: ITU-T O.172, G.958, G.823, G.825 Options and Interfaces Option 002: Dual standard SONET/SDH (ANSI/ITU-T) Option 012: PDH/T-Carrier interfaces Option 200: Jitter Tx/Rx capability Options 106, 601, UK6 included Key Features Field-portable design for installation and maintenance workflows Automatic mixed payload signal structure detection Protection switching time measurement for ring and linear network topologies Comprehensive simultaneous measurement analysis Typical Applications SDH/SONET network installation and commissioning ATM and POS equipment verification Manufacturing quality assurance System acceptance testing Compatibility & Integration Manufacturer: Keysight / Agilent / HP. Model designation: 37718A (OmniBER 718).

Features & description

From manufacturer datasheet

Technical Specifications

Multi-rate operation: 64 kb/s to 2.5 Gb/s SDH rates: STM-16, STM-16c, STM-4, STM-4c, STM-1 to ITU-T G.707; STM-0 to ITU-R F.750 PDH/T-Carrier: 2, 8, 34, 140 Mb/s; DS1, DS3 Concatenated payloads supported at all synchronous rates to 2.5 Gb/s Structured, framed, and unframed payload modes with 64 kb/s and $n \times 64$ kb/s timeslot testing Drop/insert capability: 2/34/140 Mb/s extraction and insertion Jitter and Wander Characterization Generation and measurement at 1.5, 2, 8, 34, 45, 140, 52, 155, 622, and 2,488 Mb/s Jitter frequency range: 0.1 Hz to 20 MHz Jitter amplitude: Up to 800 UI Wander frequency range: 10 μ Hz to 0.125 Hz Wander amplitude: Up to 57,600 UI Jitter transfer measurement with 10 Hz narrowband filtering Compliance: ITU-T O.172, G.958, G.823, G.825 Options and Interfaces Option 002: Dual standard SONET/SDH (ANSI/ITU-T) Option 012: PDH/T-Carrier interfaces Option 200: Jitter Tx/Rx capability Options 106, 601, UK6 included

Key Features

Field-portable design for installation and maintenance workflows Automatic mixed payload signal structure detection Protection switching time measurement for ring and linear network topologies Comprehensive simultaneous measurement analysis

HP 718A/37718A — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the HP 718A/37718A. 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 718A/37718A price

This HP 718A/37718A is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

HP 718A/37718A calibration cost

NIST-traceable calibration for the HP 718A/37718A 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 →

Applications

SDH/SONET network installation and commissioning ATM and POS equipment verification Manufacturing quality assurance System acceptance testing Compatibility & Integration Manufacturer: Keysight / Agilent / HP. Model designation: 37718A (OmniBER 718).

Unit notes

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Technical Specifications

BER and Signal Testing

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718A/37718A Specifications

PARAMETER	VALUE
Frequency Range	0.1 Hz to 20 MHz (jitter)

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.

HP Bit Error Rate Testers (BERT). Frequency range: 0.1 Hz to 20 MHz, Frequency range: 10 µHz to 0.125 Hz.

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Compatibility & Integration Manufacturer: Keysight / Agilent / HP. Model designation: 37718A (OmniBER 718).

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Applications

SDH/SONET network installation and commissioning ATM and POS equipment verification Manufacturing quality assurance System acceptance testing

Compatibility & Integration Manufacturer: Keysight / Agilent / HP. Model designation: 37718A (OmniBER 718).

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.