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Data Sheet

August 13, 2026

HP

HP 37717C W A3D,A3K,A3U,UKJ

HP / Agilent 37717C OmniBER 717 Communications Performance Analyzer The HP / Agilent 37717C (OmniBER 717) is a modular, field-portable communications performance analyzer for hybrid PDH/DSn, SONET/SDH, and ATM transport networks and network equipment up to 622 Mb/s. The mainframe provides a large color display and integral floppy drive; test capability is added via application modules. This configuration lists options A3D, A3K, A3U, and UKJ. The HP / Agilent 37717C (OmniBER 717) is a modular, field-portable communications performance analyzer for hybrid PDH/DSn, SONET/SDH, and ATM transport networks and network equipment up to 622 Mb/s. The mainframe provides a large color display and integral floppy drive; test capability is added via application modules. This configuration lists options A3D, A3K, A3U, and UKJ.



MODEL

HP 37717C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

37717C

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP 37717C Communications Performance Analyzer is a field-portable, multi-rate test set engineered for installation, maintenance, and commissioning of PDH/SDH/SONET and ATM transport networks. It delivers bit error rate and jitter testing across rates to 622 Mb/s, with modular architecture supporting flexible configuration and upgrade paths. A large color display, integral floppy disk drive, and optional 80-column graphics printer provide on-site data logging and results export. Remote control via LAN, GPIB, RS-232-C, and parallel interfaces enables

integration into automated test environments. Technical Specifications PDH/DSn coverage spans 0.7, 2, 8, 34, and 140 Mb/s with structured (DS1, DS3, E1, E3) and unstructured modes. Mux/demux capability and binary interfaces with external clock input are supported. SDH/SONET interfaces include STM-0 (52 Mb/s), STM-1 (155 Mb/s), and STM-4 (622 Mb/s) via electrical and optical paths. Optical interfaces operate at 1310 nm and 1550 nm wavelengths with optical power measurement. Overhead access, TU-12/TU-2/VC-3/VC-4 mappings, and pointer sequence generation are available. ATM testing covers 2, 34, and 140 Mb/s with cell layer generation and measurement, plus native LAN connectivity options. Key Features Jitter and wander generation and measurement for PDH, E1, E3, and STM-1 signals STM-0e and STM-1e electrical interface support (Option A3R) Combined STM-0/STM-1/STM-4 optical interfaces at 1310 nm and 1550 nm ATM Channel View with rate history and graphical CDV display Firmware upgrade capability via floppy disk PC application results export for offline analysis Typical Applications Commissioning and troubleshooting of hybrid PDH/SDH/SONET backbone and metro networks; ATM transport validation; structured and unstructured signal verification; jitter characterization and tolerance testing. Compatibility & Integration Remote control and data integration through LAN, GPIB, RS-232-C, and parallel interfaces. Modular design accommodates field expansion without replacement.

Features & description

From manufacturer datasheet

Features

- Multi-rate platform to 622 Mb/s (configuration dependent)
- Modular slots for PDH/DSn, SONET/SDH, ATM, jitter/wander, optics
- Color display; integral floppy; optional graphics printer
- Remote control via HP-IB / RS-232 (A3D) and related interfaces
- This unit options: A3D, A3K, A3U, UKJ

Applications

- Installation, maintenance, and commissioning of PDH/SDH/SONET/ATM networks
- Manufacturing BER and jitter test of transport equipment
- Dual-standard SONET/SDH production line reconfiguration
- Structured PDH channelized testing with remote control

37717C Characteristics / Specifications

PARAMETER	VALUE
Model	37717C
Manufacturer	Hewlett-Packard / Agilent (OmniBER 717)
Instrument Type	Communications Performance Analyzer Mainframe
Max Line Rate Class	up to 622 Mb/s (module dependent)
Display	Large color display (mainframe)
Storage Media	Integral floppy disk drive
Installed Option UKJ	Structured PDH testing at 2, 8, 34, 140 Mb/s
UKJ Channelized Testing	64 kb/s and $n \times 64$ kb/s
Installed Option A3K	PDH / STM-1 / STM-4 jitter and wander generation
A3K Wander Generation	2 Mb/s, STM-1 (155 Mb/s), STM-4 (622 Mb/s) up to 14400 UI (STM-4)
A3K Includes	Capability of option 140 jitter generation plus wander
Installed Option A3D	RS-232-C and HP-IB remote-control / external-printer interfaces
Installed Option A3U	Listed on this unit configuration (verify on Option menu)
Typical Optical Rates Supported	52 / 155 / 622 Mb/s with optical options
SDH Electrical Class	STM-0e / STM-1e with SONET/SDH modules
PDH Rates with UKJ	E1/E2/E3/E4 class structured interfaces
Remote Software Compatibility	USS distributed network analyzer software
Printer Option Family	UKX (optional integrated / cover printer)
CE Mark	Full CE compliance per configuration guide
Form Factor	Field-portable modular mainframe Notes Specs from HP 37717C OmniBER configuration guide (5968-3132 class) and product literature. A3U is present on the listing title but not fully expanded in public option tables found—confirm exact A3U function on the instrument Option/Enable menu. Capability depends on installed modules.
This unit options	A3D, A3K, A3U, UKJ

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 Analyzer

Overview

The HP / Agilent 37717C (OmniBER 717) is a modular, field-portable communications performance analyzer for hybrid PDH/DSn, SONET/SDH, and ATM transport networks and network equipment up to 622 Mb/s. The mainframe provides a large color display and integral floppy drive; test capability is added via application modules. This configuration lists options A3D, A3K, A3U, and UKJ.

Applications

- Installation, maintenance, and commissioning of PDH/SDH/SONET/ATM networks
- Manufacturing BER and jitter test of transport equipment
- Dual-standard SONET/SDH production line reconfiguration
- Structured PDH channelized testing with remote control

Key Features

- Multi-rate platform to 622 Mb/s (configuration dependent)
- Modular slots for PDH/DSn, SONET/SDH, ATM, jitter/wander, optics
- Color display; integral floppy; optional graphics printer
- Remote control via HP-IB / RS-232 (A3D) and related interfaces
- This unit options: A3D, A3K, A3U, UKJ

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	37717C
Manufacturer	Hewlett-Packard / Agilent (OmniBER 717)
Instrument Type	Communications Performance Analyzer Mainframe
Max Line Rate Class	up to 622 Mb/s (module dependent)
Display	Large color display (mainframe)
Storage Media	Integral floppy disk drive
Installed Option UKJ	Structured PDH testing at 2, 8, 34, 140 Mb/s
UKJ Channelized Testing	64 kb/s and n × 64 kb/s
Installed Option A3K	PDH / STM-1 / STM-4 jitter and wander generation
A3K Wander Generation	2 Mb/s, STM-1 (155 Mb/s), STM-4 (622 Mb/s) up to 14400 UI (STM-4)
A3K Includes	Capability of option 140 jitter generation plus wander
Installed Option A3D	RS-232-C and HP-IB remote-control / external-printer interfaces
Installed Option A3U	Listed on this unit configuration (verify on Option menu)
Typical Optical Rates Supported	52 / 155 / 622 Mb/s with optical options
SDH Electrical Class	STM-0e / STM-1e with SONET/SDH modules
PDH Rates with UKJ	E1/E2/E3/E4 class structured interfaces

PARAMETER	VALUE
Remote Software Compatibility	USS distributed network analyzer software
Printer Option Family	UKX (optional integrated / cover printer)
CE Mark	Full CE compliance per configuration guide
Form Factor	Field-portable modular mainframe

Notes

Specs from HP 37717C OmniBER configuration guide (5968-3132 class) and product literature. A3U is present on the listing title but not fully expanded in public option tables found-confirm exact A3U function on the instrument Option/Enable menu. Capability depends on installed modules.

Ordering Information

OPTION	DESCRIPTION
Option 140	jitter generation plus wander
Includes	Capability of option 140 jitter generation plus wander

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