

KEYSIGHT TECHNOLOGIES (AGILENT HP)

37718A

The Agilent/Keysight 37718A (OmniBER 718) is a single-box portable multi-rate communications performance analyzer and jitter tester. Operating at rates up to 2.5 Gb/s (OC-48/STM-16), it is designed for the development, qualification, and manufacture of SONET, SDH, ATM, and POS network equipment. It features a wide range of built-in jitter and wander test capabilities along with comprehensive payload and ring/linear network testing functions.

SPECIFICATIONS

General

Display	Large color display
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Supported Protocols and Rates

Maximum Data Rate	2.5 Gb/s (OC-48/STM-16)
Concatenated Payloads	Supported at all synchronous rates up to 2.5 Gb/s

Optical Interfaces

Optical Receiver Wavelength Range	1200 to 1600 nm
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Jitter and Wander Measurement

Jitter Testing Rates	1.5, 2, 8, 34, 45, 140, 52, 155, 622, and 2488 Mb/s
Jitter Standards Compliance	ITU-T and Telcordia recommendations

Error and Alarm Measurement

Network Protection Testing	Accurate measurement of protection switching times (ring and linear networks)
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System Connectivity and Interfaces

Remote Control Languages	SCPI commands
Setup Features	SmartTest facility for fast test setup

Connectivity

Remote Management Ports	GPIO (IEEE-488.2), RS-232, 10Base-T LAN
External Display Output	VGA

TECHNOLOGY

SONET / SDH / PDH / ATM

APPLICATIONS

Network equipment development, qualification, manufacturing, and in-service monitoring

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