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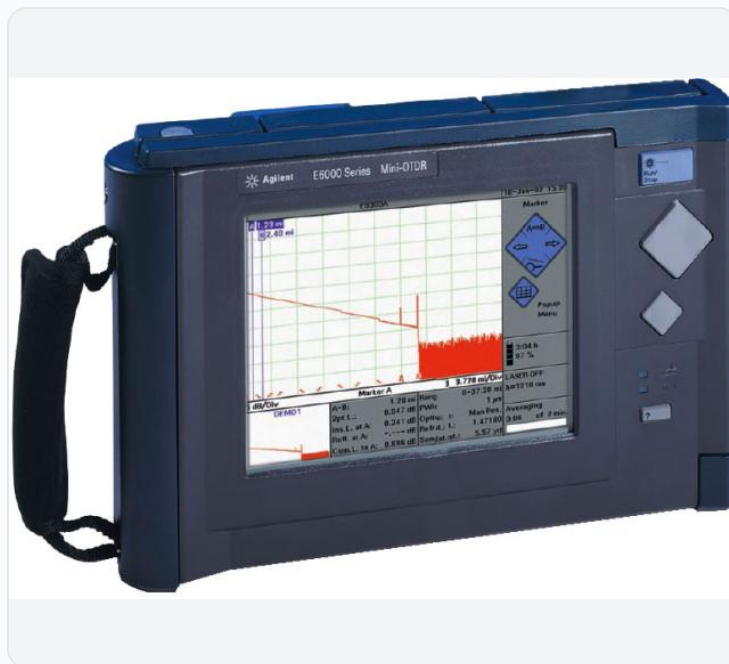
Data Sheet

August 13, 2026

AGILENT / HP

Agilent (HP) E6009A Multimode OTDR Module

Keysight E6009A Mini-OTDR Module 850/1300 nm Multimode The Agilent/Keysight E6009A is an economy multimode OTDR plug-in module for E6000B/C Mini-OTDR mainframes. It provides 850 nm and 1300 nm fault location and attenuation measurement on 62.5 μ m multimode fiber with selectable pulse widths optimized for short MM plant. The Agilent/Keysight E6009A is an economy multimode OTDR plug-in module for E6000B/C Mini-OTDR mainframes. It provides 850 nm and 1300 nm fault location and attenuation measurement on 62.5 μ m multimode fiber with selectable pulse widths optimized for short MM plant.



MODEL

**Agilent / HP
E6009A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E6009A

LISTING

<https://aumictechlabs.com/products/e6009a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent (HP) E6009A Multimode OTDR Module characterizes and locates faults in multimode fiber optic networks operating in LAN and short-haul environments. This module integrates with Agilent's modular OTDR platforms to deliver high-resolution trace acquisition, precise event detection, and accurate fiber length and loss measurements across dual wavelengths. Technical Specifications Optical Performance Wavelengths: 850 nm $\pm$ 30 nm and 1300 nm $\pm$ 30 nm Fiber Type: 62.5 μ m multimode Pulsewidths: 850 nm (5 ns to 100 ns selectable); 1300 nm (5 ns to 1 μ s selectable) Dynamic Range: 850 nm 12/12 dB (10 ns/100 ns); 1300 nm 18/18 dB (10 ns/100 ns)

Event Dead Zone: 3 m Attenuation Dead Zone: 10 m Reflectance Threshold: ≤ -35 dB Distance Accuracy: $\pm (1 \text{ m offset} + 10^{-4} \text{ scale factor} \times \text{distance} + 0.5 \text{ sampling spacing})$ Signal-to-Noise Ratio: ≥ 15 dB (1 μs pulsewidth, 3 minutes averaging) Event Detection Thresholds: Non-reflective (0.0–5.0 dB, 0.01 dB steps); Reflective (–14.0 to –65.0 dB, 0.1 dB steps); Fiber breaks (0.1–10 dB, 0.1 dB steps); Fiber end (0.1–20 dB, 0.1 dB steps) Data Acquisition Measurement Points: Up to 16,000 points Trace Format: Bellcore/Telcordia OTDR (GR 196 Rev. 1.0/1.1; SR-4731 Rev. 2.0) Storage: 3.5" Floppy Disk (720/1440 kByte); PCMCIA Type II Memory Card (440 MB, 13,000 traces typical) Interfaces & Connectivity RS232C: 115,200 bps (4,000 points $\approx$ 1 second; 16,000 points $\approx$ 4 seconds) Centronics: Standard parallel port (SPP) Keyboard: PS2 (Min-DIN) compatible Fiber Connectors: SC (81000KI) and ST (81000VI) supported Environmental Operating Temperature: 0°C to 50°C (5°C to 45°C for floppy disk operation) Key Features Dual-wavelength operation for comprehensive multimode fiber analysis Selectable pulse widths optimize resolution versus dynamic range trade-offs Fine-grained event detection thresholds enable precise fault identification Bellcore/Telcordia trace compliance ensures standards alignment Multiple storage options support field and lab workflows Typical Applications Local area network (LAN) fiber characterization Short-haul link fault location and distance measurement Multimode fiber splice and connector analysis Installation acceptance testing Compatibility & Integration The E6009A integrates into Agilent modular OTDR platforms. RS232C and Centronics interfaces enable remote operation and data transfer. SC and ST fiber connectors accommodate standard deployment scenarios.

Features & description

From manufacturer datasheet

Features

- Dual wavelength 850 nm and 1300 nm MM
- Economy MM module for E6000 series mainframes
- Selectable pulse widths 5 ns to 100 ns at 850 nm
- Selectable pulse widths 5 ns to 1 us at 1300 nm
- Event dead zone about 3 m class
- Compatible with E6000B Mini-OTDR mainframe

Applications

- Multimode fiber installation and commissioning
- Fault location on 850/1300 nm MM links
- LAN and campus MM OTDR characterization
- Pair with E6000B mainframe for field maintenance

E6009A Characteristics / Specifications

PARAMETER	VALUE
Model	E6009A
Manufacturer	Keysight / Agilent / Hewlett Packard
Instrument Type	OTDR Plug-In Module
Alias	E6009A; Agilent E6009A; HP E6009A Option 021
Mainframe required	E6000B or E6000C Mini-OTDR
Wavelengths	850 nm and 1300 nm multimode
Central wavelength 850 nm	850 nm plus or minus 25 nm
Central wavelength 1300 nm	1300 nm plus or minus 25 nm
Applicable fiber	multimode 62.5 μ m
Pulse width 850 nm range	5 ns to 100 ns
Pulse width 1300 nm range	5 ns to 1 μ s
Dynamic range 850 nm at 10 ns	12 dB class
Dynamic range 1300 nm at 10 ns	18 dB class
Event dead zone	about 3 m
Attenuation dead zone 850 nm	about 3 m
Attenuation dead zone 1300 nm	about 10 m
Laser type 850 nm	MOCVD GaAlAs
Laser type 1300 nm	FP GaAsP InGaAsP class
Output power CW 850 nm typical	20 μ W
Output power CW 1300 nm typical	50 μ W
Laser class IEC 8	3A
Connector interface	mainframe-dependent 81000 series
Module option code	021 economy multimode module
Related higher performance MM	E6005A
Related SM modules	E6003B E6008B class

PARAMETER	VALUE
Form	plug-in OTDR module not standalone mainframe Notes Specs from Agilent E6000C Mini-OTDR series datasheet module tables for E6009A (850/1300 nm economy MM). Confirm mainframe E6000B/C presence and connector adapter installed on the module.
Attenuation	measurement on 62.5 um multimode fiber with selectable pulse widths optimized for short MM plant.

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.

Specifications	
Specifications	
PARAMETER	VALUE
Model	E6009A
Manufacturer	Keysight / Agilent / Hewlett Packard
Instrument Type	OTDR Plug-In Module
Alias	E6009A; Agilent E6009A; HP E6009A Option 021
Mainframe required	E6000B or E6000C Mini-OTDR
Wavelengths	850 nm and 1300 nm multimode
Central wavelength 850 nm	850 nm plus or minus 25 nm
Central wavelength 1300 nm	1300 nm plus or minus 25 nm
Applicable fiber	multimode 62.5 um
Pulse width 850 nm range	5 ns to 100 ns
Pulse width 1300 nm range	5 ns to 1 us
Dynamic range 850 nm at 10 ns	12 dB class
Dynamic range 1300 nm at 10 ns	18 dB class
Event dead zone	about 3 m
Attenuation dead zone 850 nm	about 3 m
Attenuation dead zone 1300 nm	about 10 m
Laser type 850 nm	MOCVD GaAlAs
Laser type 1300 nm	FP GaAsP InGaAsP class
Output power CW 850 nm typical	20 uW
Output power CW 1300 nm typical	50 uW
Laser class IEC 825	3A
Connector interface	mainframe-dependent 81000 series
Module option code	021 economy multimode module
Related higher performance MM	E6005A
Related SM modules	E6003B E6008B class
Form	plug-in OTDR module not standalone mainframe

Notes

Specs from Agilent E6000C Mini-OTDR series datasheet module tables for E6009A (850/1300 nm economy MM).
Confirm mainframe E6000B/C presence and connector adapter installed on the module.

Ordering Information

OPTION	DESCRIPTION
Option 021	Mainframe required: E6000B or E6000C Mini-OTDR

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

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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.