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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N4376E Lightwave Component Analyzer

User Calibration Class: ECal-based electrical user calibration class of N437xE Literature: Keysight N4376E Multimode 850 nm LCA product page and N437xE family data sheets Bandwidth: follow the installed PNA-B and N4376E option (do not assume 67 GHz SM bandwidth) Connector Class: multimode optical connector interface options of the N4376E test set Literature: Keysight N4376E Multimode 850 nm LCA product page and N437xE family data sheets Bandwidth: follow the installed PNA-B and N4376E option (do not assume 67 GHz SM bandwidth) Connector Class: multimode optical connector interface options of the N4376E test set Specified Temperature Class: laboratory specified range per N4376E data sheet



MODEL

**Agilent / Keysight
N4376E**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N4376E

LISTING

<https://aumictechlabs.com/products/n4376e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight N4376E is a versatile network analyzer that provides accurate and reliable measurements for a wide range of applications. Its advanced features and solid design ensure optimal performance and repeatability. It is an ideal solution for characterizing optical transceivers, amplifiers, and other high-speed components.

N4376E Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Multimode lightwave component analyzer
Series Family	Keysight N437xE LCA
Optical Window	850 nm multimode
Fiber Type	multimode
Launch Condition Class	IEEE 802.3ae-2002 (stated on N4373E 850 nm MM option literature used across the E-family MM path)
Measurements	electro-optical S-parameters including S21, S11, S22 under multimode conditions
Host Analyzer Class	N52xxB PNA Microwave Network Analyzer
Software Compatibility	identical LCA software across N437xB/D/E
Related Sm Model	N4375E 26.5 GHz single-mode and N4373E 43.5/50/67 GHz SM/MM
Remote Control	LAN SCPI / COM class of N437xE
Built In Power Meter Class	average optical power meter class of N437x LCA
Calibration Class	factory electro-optical calibration, temperature-stabilized optics class
Form Factor	integrated optical test set plus PNA
Target Devices	850 nm VCSEL transmitters, MM PIN/TIA, SR transceivers
User Calibration Class	ECal-based electrical user calibration class of N437xE
Literature	Keysight N4376E Multimode 850 nm LCA product page and N437xE family data sheets
Bandwidth	follow the installed PNA-B and N4376E option (do not assume 67 GHz SM bandwidth)
Connector Class	multimode optical connector interface options of the N4376E test set
Specified Temperature Class	laboratory specified range per N4376E data sheet
Warm Up Class	LCA warm-up class of the N437xE family
Rf Damage Level Family	plus 15 dBm RF class of N437x optical test sets
Application Rates	10GbE/40GbE short-reach multimode optics

N4376E Specifications

PARAMETER	VALUE
Applications	850 nm VCSEL, photodiode, and multimode TOSA/ROSA frequency-response testing for 10GbE/40GbE SR optics.
Key Features	850 nm multimode fiber LCA
Technical Specifications	Instrument Type: Multimode lightwave component analyzer

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	
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Rf Damage Level Family	plus 15 dBm RF class of N437x optical test sets
Application Rates	10GbE/40GbE short-reach multimode optics
Notes On Bandwidth: use the N4376E model-specific frequency table for warranted modulation bandwidth	

Notes

850 nm multimode identity and IEEE 802.3ae launch from Keysight N4376E / N4373E family product literature. Warranted modulation-bandwidth and uncertainty numbers are on the N4376E data sheet for the installed PNA; they are not copied from the 67 GHz N4373E SM table.

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.