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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N4372E 110 GHz lightwave analyzer

Agilent Keysight N4372E Lightwave Component Analyzer 110 GHz The Keysight N4372E performs opto-electronic S-parameter measurements up to 110 GHz using N5290A/N5291A 900 Hz to 110/120 GHz PNA millimeter-wave systems. OEM N4372E data sheet 5992-4215 lists transmitter (E/O) and receiver (O/E) test-set options, 1310/1550 nm sources, 1260-1620 nm receiver range, and 100 GHz or 110 GHz receiver bandwidth options. High-baud-rate RZ/NRZ and PAM optical TX/RX frequency-response testing across the CWDM window to 110 GHz. The Keysight N4372E performs opto-electronic S-parameter measurements up to 110 GHz using N5290A/N5291A 900 Hz to 110/120 GHz PNA millimeter-wave systems. OEM N4372E data sheet 5992-4215 lists transmitter (E/O) and receiver (O/E) test-set options, 1310/1550 nm sources, 1260-1620 nm receiver range, and 100 GHz or 110 GHz receiver bandwidth options. High-baud-rate RZ/NRZ and PAM optical TX/RX frequency-response testing across the CWDM window to 110 GHz. NIST-traceable TX and RX tests to 110 GHz Dedicated E/O, O/E, or combined test-set options

MODEL **Agilent / Keysight N4372E**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **N4372E**	LISTING **https://aumictechlabs.com/products/n4372e-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N4372E Lightwave Component Analyzer is a versatile instrument for characterizing optical components and subsystems. It has a wide range of measurement capabilities, including S-parameter, group delay, and chromatic dispersion analysis. With its high accuracy and efficiency, the N4372E is suitable for both research and development and manufacturing applications. It enables thorough evaluation of optical devices, ensuring optimal performance and reliability.

N4372E Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Lightwave component analyzer
Series Family	Keysight N4372E 110 GHz LCA
Maximum Bandwidth	110 GHz
Host MmWave Pna	N5290A and N5291A 900 Hz to 110/120 GHz
Receiver Wavelength Range	1260 nm to 1620 nm (OEM RX range statement)
Transmitter Wavelength Extension	CWDM window down to 1260 nm for TX tests
Measurements	E/O, O/E, and O/O depending on 301/310/311
Literature	Keysight N4372E Lightwave Component Analyzer data sheet 5992-4215
Traceability	NIST-traceable transmitter for RX test
Target Formats	high baud-rate RZ/NRZ and PAM
Form Factor	optical test set integrated with mm-wave PNA system
Wavelength range	1260 nm to 1620 nm (OEM RX range statement)
Bandwidth	110 GHz

N4372E Specifications

PARAMETER	VALUE
Applications	High-baud-rate RZ/NRZ and PAM optical TX/RX frequency-response testing across the CWDM window to 110 GHz.
Key Features	NIST-traceable TX and RX tests to 110 GHz
Technical Specifications	Instrument Type: 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

Specifications

PARAMETER	VALUE
Instrument Type	Lightwave component analyzer
Series Family	Keysight N4372E 110 GHz LCA
Maximum Bandwidth	110 GHz
Host MmWave Pna	N5290A and N5291A 900 Hz to 110/120 GHz

Option 301: LCA for testing transmitters (E/O)
Option 310: LCA for testing receivers (O/E)
Option 311: LCA for testing transmitters and receivers (O/E, E/O, O/O)
Option 100: test set with 1310 nm source (with 310/311)
Option 101: test set with 1550 nm source (with 310/311)
Option 102: test set with 1310 nm and 1550 nm source
Option E10: receiver operating frequency to 100 GHz
Option E11: receiver operating frequency to 110 GHz
Option 010: receiver to 100 GHz, available with Option 101
Option 011: receiver to 110 GHz, available with Option 101
Option 021: straight FC/PC
Option 022: angled FC/APC

Specifications

PARAMETER	VALUE
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Notes
Options and 110 GHz / 1260-1620 nm coverage from Keysight N4372E data sheet 5992-4215. Amplitude-uncertainty numeric tables are in that data sheet's specification section; use the installed 100 vs 110 GHz receiver option.

Ordering Information

OPTION	DESCRIPTION
Option 101	Option 011: receiver to 110 GHz, available with Option 101

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.