

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N4364A Lightwave Transmitter Analyzer Bundle

Seventy Ghz Wavelength Start: 1200 nm to 1650 nm on the 70 GHz version in bundle literature Literature Detector: Keysight 5992-4214 N4377A Bundle Name: N4364A Lightwave Transmitter Analyzer Measurement Type: photonic S21 amplitude and phase after de-embedding the OE converter Literature Detector: Keysight 5992-4214 N4377A Bundle Name: N4364A Lightwave Transmitter Analyzer Measurement Type: photonic S21 amplitude and phase after de-embedding the OE converter Detector bandwidth, wavelength, USB/DC-coupled architecture, and on-board correction from Keysight N4377A Lightwave Detector data sheet 5992-4214 (N4364A bundle section). Relative frequency-response uncertainty, average-power range/uncertainty, and 40/70 GHz operating-wavelength starts from N4364A Lightwave Transmitter Analyzer Bundle published specification highlights that cite the N4377A converter.



MODEL

**Agilent / Keysight
N4364A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N4364A

LISTING

<https://aumictechlabs.com/products/n4364a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight N4364A is an advanced optical modulator analyzer that delivers precise and reliable measurements for optical modulator characterization. It features a wide bandwidth and high dynamic range, enabling accurate analysis of complex modulation formats. This instrument is

essential for research and development, as well as manufacturing environments, where precise control and optimization of optical communication links are critical.

Features & description

From manufacturer datasheet

Built-in optical power meter and bar-graph on the detector

Single-mode and multimode detector versions Technical Specifications Instrument Type: Lightwave transmitter analyzer bundle (N4377A detector plus VNA) Detector Model: N4377A Lightwave Detector Sm Bandwidth Options: 43.5 GHz and 70 GHz Sm Calibration Wavelengths: 1310 nm and 1550 nm Sm Operating Wavelength: 1260 nm to 1650 nm (CWDM and beyond) Mm Bandwidth: 43.5 GHz multimode with 850 nm calibration Mm Extra Calibration: optional 1310 nm and 1550 nm on multimode Coupling: DC coupled optical-electrical converter Powering: USB powered detector Relative Frequency Response Uncertainty: less than or equal to plus or minus 1.6 dBe typical at 1550 nm (bundle literature) Average Power Range Typical: up to 9 dBm typical Average Power Uncertainty: less than or equal to plus or minus 0.5 dB Host Vna Families: PNA-L, PNA, PNA-X, or Streamline Series USB VNA Port Count: 2-port or 4-port VNA (4-port for dual-drive MZM) Connectivity Kit: RF cables plus electronic calibration module matched to DUT connectors Deembed Data: amplitude and phase response correction stored on the detector Optical Power Meter: calibrated average-power measurement on the converter Target Devices: DML, MZM, EAM, TOSA Forty Ghz Wavelength Start: 1064 nm to 1650 nm on the 40 GHz version in bundle literature

N4364A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Lightwave transmitter analyzer bundle (N4377A detector plus VNA)
Detector Model	N4377A Lightwave Detector
Sm Bandwidth Options	43.5 GHz and 70 GHz
Sm Calibration Wavelengths	1310 nm and 1550 nm
Sm Operating Wavelength	1260 nm to 1650 nm (CWDM and beyond)
Mm Bandwidth	43.5 GHz multimode with 850 nm calibration
Mm Extra Calibration	optional 1310 nm and 1550 nm on multimode
Coupling	DC coupled optical-electrical converter
Powering	USB powered detector
Relative Frequency Response Uncertainty	less than or equal to plus or minus 1.6 dBe typical at 1550 nm (bundle literature)
Average Power Range Typical	up to 9 dBm typical
Average Power Uncertainty	less than or equal to plus or minus 0.5 dB
Host Vna Families	PNA-L, PNA, PNA-X, or Streamline Series USB VNA
Port Count	2-port or 4-port VNA (4-port for dual-drive MZM)
Connectivity Kit	RF cables plus electronic calibration module matched to DUT connectors
Deembed Data	amplitude and phase response correction stored on the detector
Optical Power Meter	calibrated average-power measurement on the converter
Target Devices	DML, MZM, EAM, TOSA
Forty Ghz Wavelength Start	1064 nm to 1650 nm on the 40 GHz version in bundle literature
Seventy Ghz Wavelength Start	1200 nm to 1650 nm on the 70 GHz version in bundle literature
Literature Detector	Keysight 5992-4214 N4377A
Bundle Name	N4364A Lightwave Transmitter Analyzer
Measurement Type	photonic S21 amplitude and phase after de-embedding the OE converter

PARAMETER	VALUE
Bandwidth	Options: 43.5 GHz and 70 GHz

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 transmitter analyzer bundle (N4377A detector plus VNA)
Detector Model	N4377A Lightwave Detector
Sm Bandwidth Options	43.5 GHz and 70 GHz
Sm Calibration Wavelengths	1310 nm and 1550 nm
Sm Operating Wavelength	1260 nm to 1650 nm (CWDM and beyond)
Mm Bandwidth	43.5 GHz multimode with 850 nm calibration
Mm Extra Calibration	optional 1310 nm and 1550 nm on multimode
Coupling	DC coupled optical-electrical converter
Powering	USB powered detector
Relative Frequency Response Uncertainty	less than or equal to plus or minus 1.6 dBe typical at 1550 nm (bundle literature)
Average Power Range Typical	up to 9 dBm typical
Average Power Uncertainty	less than or equal to plus or minus 0.5 dB
Host Vna Families	PNA-L, PNA, PNA-X, or Streamline Series USB VNA
Port Count	2-port or 4-port VNA (4-port for dual-drive MZM)
Connectivity Kit	RF cables plus electronic calibration module matched to DUT connectors
Deembed Data	amplitude and phase response correction stored on the detector
Optical Power Meter	calibrated average-power measurement on the converter
Target Devices	DML, MZM, EAM, TOSA
Forty Ghz Wavelength Start	1064 nm to 1650 nm on the 40 GHz version in bundle literature
Seventy Ghz Wavelength Start	1200 nm to 1650 nm on the 70 GHz version in bundle literature
Literature Detector	Keysight 5992-4214 N4377A
Bundle Name	N4364A Lightwave Transmitter Analyzer
Measurement Type	photonic S21 amplitude and phase after de-embedding the OE converter
Notes	
Detector bandwidth, wavelength, USB/DC-coupled architecture, and on-board correction from Keysight N4377A Lightwave Detector data sheet 5992-4214 (N4364A bundle section). Relative frequency-response uncertainty,	

average-power range/uncertainty, and 40/70 GHz operating-wavelength starts from N4364A Lightwave Transmitter Analyzer Bundle published specification highlights that cite the N4377A converter.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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