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Data Sheet

August 15, 2026

GN NETTEST/PHOTONETICS

GN Nettest CMA4000i OTDR Mainframe

GN Nettest Photonetics CMA4000i Optical Test System OTDR Mainframe The GN Nettest CMA4000i is a modular optical test mainframe configurable as an OTDR with visual fault locator, optical power meter, and light source, or as a high-resolution OSA for DWDM. OEM CMA4000i data list 50 dB OTDR dynamic range, dead zones as small as 3.0 m, 4792 OSA covering 1520-1620 nm (C and L band) with automatic identification of over 400 DWDM channels at 10 GHz (0.08 nm) spacing, OSA resolution bandwidth less than 0.05 nm, and power accuracy plus or minus 0.5 dB at 23 C. The GN Nettest CMA4000i is a modular optical test mainframe configurable as an OTDR with visual fault locator, optical power meter, and light source, or as a high-resolution OSA for DWDM. OEM CMA4000i data list 50 dB OTDR dynamic range, dead zones as small as 3.0 m, 4792 OSA covering 1520-1620 nm (C and L band) with automatic identification of over 400 DWDM channels at 10 GHz (0.08 nm) spacing, OSA resolution bandwidth less than 0.05 nm, and power accuracy plus or minus 0.5 dB at 23 C. Long-haul, metro, and PON fiber commissioning, fault location, loss testing, and DWDM spectral analysis.



MODEL

**GN
Nettest/Photonetics
CMA4000i**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CMA4000i

LISTING

<https://aumictechlabs.com/products/cma4000i-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The GN Nettest/Photonetics CMA4000i is a versatile OTDR designed for efficient fiber optic network testing. Its key features include high dynamic range for long-distance measurements, short dead zones for accurate near-end fault location, and a user-friendly interface for easy operation. The CMA4000i supports multiple wavelengths, allowing comprehensive network analysis. It is ideal for characterizing optical fibers, identifying breaks and splices, and ensuring optimal network performance. Its rugged design ensures reliable operation in diverse field environments.

CMA4000I Characteristics / Specifications

PARAMETER	VALUE
Model	CMA4000i
Instrument Type	modular optical test system / OTDR mainframe
Otdr Dynamic Range	50 dB
Otdr Deadzone Minimum	3.0 m
Osa Module 4792 Wavelength Range	1520 to 1620 nm (C andLband)
Osa Module 4791 Wavelength Range	1520 to 1570 nm
Osa Channel Count	up to 400 DWDM channels automatically
Osa Channel Spacing	10 GHz (0.08 nm)
Osa Resolution Bandwidth	less than 0.05 nm
Osa Wavelength Accuracy	plus or minus 20 pm typical
Osa Power Range 47	plus 10 to minus 70 dBm per channel
Osa Polarization Dependence	less than plus or minus 0.25 dB
Osa Return Loss	less than 35 dB
Osa Cyclic Time	4 seconds maximum
Osa Stability	plus or minus 0.2 dB per hour
Osa Power Accuracy	plus or minus 0.5 dB at 23 C
Osa Modes	Graph, Table, and Drift
Light Source Output	minus 8 dBm minimum
Light Source Stability	plus or minus 0.2 dB (8 hours)
Light Source Fiber	9/125 um SM
Light Source Modes	CW and 2 kHz
Power Meter Resolution	0.01 dB and 0.01% watts
Power Meter Accuracy 10 Dbm Meter	plus or minus 4% (plus or minus 0.18 dB) from plus 5 dBm to minus 50 dBm
Vfl Wavelength	650 plus or minus 10 nm
Vfl Output	0 dBm

PARAMETER	VALUE
Vfl Modes	CW or 2 Hz
Power Meter Cal Wavelengths	850, 1310, 1410, 1550, 1625 nm as listed for source options
Wavelength range	1520 to 1620 nm (C andLband)
Bandwidth	less than 0.05 nm
Return loss	less than 35 dB

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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Notes

From GN Nettest CMA4000i Optical Test System datasheet (OTDR headline specs, 4791/4792 OSA table, multi-test light source / power meter / VFL table). Module-specific OTDR wavelength and pulse-width rows are on the installed TD-14Mxx optics module sheet.

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.