

# CMA 50

## Power Meters



### Includes RJ45 interface option for network testing

Ideal for troubleshooting networks up  
to the demarcation point.

Ideal for troubleshooting ONT/ONU  
in FTTx networks.

Fast, accurate and easy-to-use, NetTest's CMA 50 line of Power Meters is designed for attenuation and throughput measurements of fiber optic links. They are offered with common calibration wavelength and connector options to meet any testing requirement from FTTx networks to long haul telephony links to multimode LAN, and CATV.

All CMA 50 Power Meters feature large mass storage capacity, and pass or fail indicators for in field compliance. Plus our exclusive auto-wavelength switching mode eliminates user errors by synchronizing the CMA 50 Series Power Meters with CMA 50 Light Source. The light-weight, rugged design, assures that they are built for the most demanding cable installation and maintenance environments and will provide years of valuable service.

#### Key Benefits

- Reasonable pricing puts high quality testing in every technician's hand.
- Automatic wavelength recognition when used in conjunction with CMA 50 light sources.
- High input power capacity enables characterization of RF TV optical signal.
- Pass or fail indicators for in-field compliance.
- Stores up to 100,000 data sets (4 MB of user data).
- Visual Fault Location source option.
- LAN Access and network testing option via RJ45 port.
- File Transfer via USB port.
- Three year warranty.

**Notes**

<sup>1</sup> ±0.3dB uncertainty from 900nm to 1625nm over operating temperature range

<sup>2</sup> NIST traceable. Calibrated at 23°C, 1310nm and -10dBm power input

<sup>3</sup> at 23°C excluding top 5dB and bottom 10dB

Optical Specifications		
Model	Standard	C Option
<b>Wavelength of Operation</b>	850, 1300, 1310, 1490, 1550, 1625nm and all standard CWDM wavelengths	850, 1300, 1310, 1490, 1550, 1625nm and all standard CWDM wavelengths
<b>Measured Power Range<sup>1</sup></b>	+10dBm to -75dBm	+30dBm to -55dBm
<b>Calibration Accuracy<sup>2</sup></b>	±0.2dB	±0.2dB
<b>Linearity<sup>3</sup></b>	±0.1dB	±0.1dB

General Specifications	
<b>Modulation Detection</b>	2kHz modulation recognition
<b>Wavelength recognition</b>	Automatic recognition of calibrated wavelengths (when used in conjunction with a CMA 50 light source or LTS)
<b>Display Resolution</b>	0.01 (dB/mW/µW/nW)
<b>Power</b>	Rechargeable battery pack, 4 AA batteries or 110/220 V AC adapter
<b>Auto shutoff</b>	After 10 minutes (Function can be disabled)
<b>Connector Style</b>	FC, SC, ST, DIN, LC
<b>Operating Temperature Range</b>	-10°C to +50°C
<b>Storage Temperature Range</b>	-40°C to +60°C
<b>Dimensions</b>	210 mm x 110 mm x 41.3 mm
<b>Weight</b>	< 550g (including batteries)
<b>Warranty</b>	3 Years

Options	
<b>N Option</b> Network Test	LAN access and Network level continuity and frame time delay through TCP/IP protocol over its built-in 10/100Mbps Network Interface Card.
<b>V Option</b> Visual Fault Locator	Visible laser source at 650 nm allowing to visually detect a fiber fault up to 5km



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NetTest develops and markets operational support solutions that provide unique insights into the function and performance of telecommunication networks so that owners, operators, and vendors can make informed business decisions that drive their profitability.