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Data Sheet

August 14, 2026

ANRITSU

Anritsu CMA5 Optical Loss Test Set

Anritsu CMA5 Optical Loss Test Set Light Source and Optical Power Meter Series The Anritsu CMA5 series is a pocket sized optical loss tester, light source, and power meter family for fiberland M. OEM CMA5 brochure lists SM 1310/1550 nm and MM 850/1300 nm OLTS models at greater than or equal to minus 7 dBm source power, InGaAs power meter calibrated at 850/1300/1310/1490/1550/1625 nm, and 300 g class OLTS mass. On site SMF and MMF loss and power measurements, CATV high power checks to plus 23 dBm, and fiber identification with 270 Hz 1 kHz 2 kHz tones. The Anritsu CMA5 series is a pocket sized optical loss tester, light source, and power meter family for fiberland M. OEM CMA5 brochure lists SM 1310/1550 nm and MM 850/1300 nm OLTS models at greater than or equal to minus 7 dBm source power, InGaAs power meter calibrated at 850/1300/1310/1490/1550/1625 nm, and 300 g class OLTS mass. On site SMF and MMF loss and power measurements, CATV high power checks to plus 23 dBm, and fiber identification with 270 Hz 1 kHz 2 kHz tones. All in one OLTS or separate LS/OPM handhelds



MODEL

Anritsu CMA5

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

CMA5

LISTING

<https://aumictechlabs.com/products/cma5-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu CMA5 Optical Loss Test Set is a pocket-sized instrument that combines a laser diode light source and InGaAs power meter in a single unit for field measurement of optical power and loss in fiber optic networks. It delivers fast, accurate loss characterization across single-mode

and multimode fiber installations without warm-up time. The device integrates dual functionality - light source and power meter - into a rugged 300 g platform, eliminating the need for separate instruments during cable installation, commissioning, and maintenance operations.

Technical Specifications

Light Source Laser diode emitter supporting SM fiber (1310 nm, 1550 nm $\pm$ 20 nm) and MM fiber (850 nm, 1300 nm $\pm$ 20 nm) Output power: -7 dBm across all wavelengths Spectrum width: <5 nm Modulation modes: CW, 270 Hz, 1 kHz, 2 kHz for fiber identification

Optical Power Meter InGaAs detector calibrated at 850 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm, 1625 nm Measurement accuracy: $\pm$ 0.2 dBm Linearity: $\pm$ 0.1 dB to $\pm$ 0.2 dB depending on range Maximum input power: +23 dBm (SM type CATV), +27 dBm (standard) Modulation detection: 270 Hz, 1 kHz, 2 kHz

Power & Display 9 V DC @ 300 mA maximum (alkaline, dry cell, or four AA batteries) Battery life: 20-40 hours depending on cell type 4-digit, 7-segment LCD display Auto-zeroing capability; no warm-up time required

Key Features Supports 10 μ m/125 μ m single-mode and 50 μ m/125 μ m, 62.5 μ m/125 μ m multimode fibers with PC-polished connectors FC, SC, ST, DIN, LC connector compatibility Class 1 laser emissions per IEC60825-1:2007 and CDRH compliance Operating temperature: -10°C to +50°C; storage: -25°C to +60°C Dimensions: 110 (W) $\times$ 210 (H) $\times$ 41.3 (D) mm

Typical Applications Fiber optic cable installation verification Network maintenance and troubleshooting Loss budget validation at multiple wavelengths Field commissioning of SM and MM infrastructure

Compatibility & Integration Dual-wavelength support (SM and MM) with standardized fiber and connector types enables deployment across diverse fiber optic architectures without adapter requirements.

CMA5 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	CMA5 Optical Loss Tester Light Source Optical Power Meter
OLTS SM Standard Model	5LT35 1310/1550 nm plus or minus 20 nm
OLTS SM CATV Model	5LT35C 1310/1550 nm plus or minus 20 nm
OLTS MM Model	5LT83 850/1300 nm plus or minus 20 nm
Source Emitter Type	LD
Source Output Power	greater than or equal to minus 7 dBm
Source Line Width FWHM	less than or equal to 5 nm
Source Modulation	CW 270 Hz 1 kHz 2 kHz plus or minus 2 percent
Source Stability 15 minutes	plus or minus 0.05 dB
Source Stability 8 hours SM	plus or minus 0.10 dB
Source Stability 8 hours MM	plus or minus 0.15 dB
Power Meter Detector	InGaAs
Power Meter Calibrated Wavelengths	850 1300 1310 1490 1550 1625 nm
OLTS Standard Measurement Range	minus 60 to plus 5 dBm and minus 50 to plus 10 dBm at 850 nm
OLTS CATV Measurement Range	minus 40 to plus 23 dBm
Power Meter Accuracy	plus or minus 0.2 dB at minus 10 dBm plus or minus 0.5 dB at 850 nm
Power Meter Linearity	plus or minus 0.2 dB plus or minus 0.5 dB at 850 nm
Display Resolution	0.01 dB
Warm up Time	60 s
Standalone OPM 5P100 Range	minus 60 to plus 10 dBm minus 50 to plus 10 dBm at 850 nm
Standalone OPM 5P100C Range	minus 50 to plus 23 dBm
OLTS Battery Operation	40 hours min power meter only 20 hours min OPM and LS
OLTS Dimensions	75 W x 145 H x 25 D mm excluding rubber cover
OLTS Mass	300 g or less excluding cover and battery
Operating Temperature	minus 10 C to plus 50 C

PARAMETER	VALUE
Storage Temperature	minus 25 C to plus 60 C
Relative Humidity	0 to 95 percent no condensation
Laser Safety	IEC 60825 1 2007 CLASS 1
Humidity	0 to 95 percent no condensation

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 25 C to plus 60 C
Operating temperature	minus 10 C to plus 50 C
Operating Temperature	minus 10 C to plus 50 C
Humidity	0 to 95 percent no condensation
Relative Humidity	0 to 95 percent no condensation
Laser Safety	IEC 60825 1 2007 CLASS 1 Notes From Anritsu CMA5 Series Optical Loss Tester/Light Source/Optical Power Meter brochure. Confirm 5LT35 versus 5LT35C versus 5LT83 versus standalone 5P/5L bodies on the unit.

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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Instrument Family	CMA5 Optical Loss Tester Light Source Optical Power Meter
OLTS SM Standard Model	5LT35 1310/1550 nm plus or minus 20 nm
OLTS SM CATV Model	5LT35C 1310/1550 nm plus or minus 20 nm
OLTS MM Model	5LT83 850/1300 nm plus or minus 20 nm
Source Emitter Type	LD
Source Output Power	greater than or equal to minus 7 dBm
Source Line Width FWHM	less than or equal to 5 nm
Source Modulation	CW 270 Hz 1 kHz 2 kHz plus or minus 2 percent
Source Stability 15 minutes	plus or minus 0.05 dB
Source Stability 8 hours SM	plus or minus 0.10 dB
Source Stability 8 hours MM	plus or minus 0.15 dB
Power Meter Detector	InGaAs
Power Meter Calibrated Wavelengths	850 1300 1310 1490 1550 1625 nm
OLTS Standard Measurement Range	minus 60 to plus 5 dBm and minus 50 to plus 10 dBm at 850 nm
OLTS CATV Measurement Range	minus 40 to plus 23 dBm
Power Meter Accuracy	plus or minus 0.2 dB at minus 10 dBm plus or minus 0.5 dB at 850 nm
Power Meter Linearity	plus or minus 0.2 dB plus or minus 0.5 dB at 850 nm
Display Resolution	0.01 dB
Warm up Time	60 s
Standalone OPM 5P100 Range	minus 60 to plus 10 dBm minus 50 to plus 10 dBm at 850 nm
Standalone OPM 5P100C Range	minus 50 to plus 23 dBm
OLTS Battery Operation	40 hours min power meter only 20 hours min OPM and LS
OLTS Dimensions	75 W x 145 H x 25 D mm excluding rubber cover
OLTS Mass	300 g or less excluding cover and battery
Operating Temperature	minus 10 C to plus 50 C
Storage Temperature	minus 25 C to plus 60 C

PARAMETER	VALUE
Relative Humidity	0 to 95 percent no condensation
Laser Safety	IEC 60825 1 2007 CLASS 1

Notes

From Anritsu CMA5 Series Optical Loss Tester/Light Source/Optical Power Meter brochure. Confirm 5LT35 versus 5LT35C versus 5LT83 versus standalone 5P/5L bodies on the unit.

Laser Safety

Laser Safety: IEC 60825 1 2007 CLASS 1 Notes From Anritsu CMA5 Series Optical Loss Tester/Light Source/Optical Power Meter brochure. Confirm 5LT35 versus 5LT35C versus 5LT83 versus standalone 5P/5L bodies on the unit.

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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NIST-traceable calibration · SAM registered ·
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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.