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Data Sheet

August 2, 2026

ANRITSU

Anritsu ML910B Optical Power Meter

The Anritsu ML910B is a two-channel optical power meter with independent displays and inter-channel processing, designed for use with Anritsu MA930x-series optical sensors across approximately 0.38 to 1.8 μm with relative measurement resolution to 0.001 dB. Dual-channel optical power and loss measurements in fiber-optic installation and maintenance; high-stability relative loss tests using feed-through sensor configurations; field optical source verification with stored measurement recall; wavelength-calibrated absolute power readout when paired with appropriate MA930x sensors. Display: dual independent channel displays. Feed-Through Operation: supported for source-fluctuation-canceled loss measurements. Pair each channel with a sensor appropriate for the wavelength and power level under test. Zero and calibrate per Anritsu procedure before absolute measurements. Use DIFF mode and feed-through sensor topology when 0.001 dB relative resolution is required. ML910B shares core two-channel optical measurement capability with ML910A; the ML910B adds internal data storage (up to 3,000 values) for field logging—confirm model suffix on faceplate when ordering or calibrating. Catalog text for ML910A may reference ML910B storage features in error; verify physical model marking. Alias ML910B (hyphenless) appears in inventory systems.



MODEL

Anritsu ML910B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ML910B

LISTING

<https://aumictechlabs.com/products/ml910b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu ML910B is a dual-channel optical power meter engineered for precision measurement across fiber optic systems and components. Its two independent input channels enable simultaneous data display and inter-channel processing, delivering the functionality of two separate meters in a single unit. The instrument supports seven types of optical sensors with any two connected simultaneously, providing flexible configuration for diverse measurement scenarios. Wavelength-selectable operation from 0.38 to 1.8 μm enables direct absolute power readout. Relative measurement mode establishes reference values and displays power differences with 0.001 dB resolution, while feed-through sensor configuration cancels source fluctuations for stable optical loss characterization. Sensitivity reaches -90 dBm at 1.3 μm with $\pm 5\%$ accuracy at both 0.85 μm and 1.3 μm (-23 dBm reference). The meter stores up to 3,000 measured values on demand, simplifying field operations. Internal calibration circuitry and automatic zero-point offset adjustment ensure measurement reliability. GP-IB control enables external averaging integration, and PC connectivity supports automated measurement sequences. Display resolution spans 0.001 dB (relative), 0.01 dB (dBm), and 0.1–1% (Watts), with auxiliary bar-graph indication.

Technical Specifications

Wavelength range: 0.38 to 1.8 μm
Sensitivity: -90 dBm at 1.3 μm
Measurement resolution: 0.001 dB (relative/DIFF mode), 0.01 dB (dBm display), 0.1–1% (Watts display)
Accuracy: $\pm 5\%$ at 0.85 μm and -23 dBm; $\pm 5\%$ at 1.3 μm and -23 dBm
Data storage: 3,000 measured values
Dual independent channels with simultaneous display
Internal calibration circuit with automatic zero-point offset adjustment

Key Features

Two simultaneous input channels eliminate the need for dual-meter setups
Seven compatible optical sensor types with dual-sensor connectivity
Relative measurement mode (REL) with reference recall and full-range relative functions
Feed-through sensor configuration for source-fluctuation cancellation in loss measurement
Wavelength-direct readout for absolute optical power
Inter-channel data processing capabilities

Interfaces & Integration

GP-IB control for external averaging command
PC connectivity for automated measurement routines

Typical Applications

Optical network testing and maintenance
Component optical loss characterization
Dual-point power monitoring and comparison

Features & description

From manufacturer datasheet

Features

- Two completely independent measurement channels with separate displays
- Compatible with seven Anritsu optical sensor types (any two connectable)
- Works with MA930x-series optical power sensors
- Wavelength range approximately 0.38 to 1.8 μm
- Relative measurement resolution 0.001 dB (DIFF mode with feed-through sensor)
- Sensitivity down to -90 dBm at 1.3 μm (sensor dependent)
- Inter-channel processing (difference, ratio) for stabilized loss measurements
- Internal data storage: up to 3,000 measured values (ML910B-specific)
- Internal display calibration circuit

ML910B Characteristics / Specifications

PARAMETER	VALUE
Model	ML910B
Manufacturer	Anritsu
Instrument Type	Two-Channel Optical Power Meter
Channel Count	2 (independent)
Compatible Sensors	Anritsu MA930x family and related optical sensor types (seven sensor types supported)
Wavelength Range	approximately 0.38 to 1.8 μm
Relative Resolution	0.001 dB (dB REL DIFF display mode)
Absolute Display Resolution	0.01 dB (dBm); 0.1 to 1% (Watts)
Sensitivity	down to -90 dBm at 1.3 μm (with appropriate sensor)
Data Storage	up to 3,000 measured values
Display	dual independent channel displays
Internal data storage	up to 3,000 measured values (ML910B-specific)

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
Model	ML910B
Manufacturer	Anritsu
Instrument Type	Two-Channel Optical Power Meter
Channel Count	2 (independent)
Compatible Sensors	Anritsu MA930x family and related optical sensor types (seven sensor types supported)
Wavelength Range	approximately 0.38 to 1.8 μ m
Relative Resolution	0.001 dB (dB REL DIFF display mode)
Absolute Display Resolution	0.01 dB (dBm); 0.1 to 1% (Watts)
Sensitivity	down to -90 dBm at 1.3 μ m (with appropriate sensor)
Data Storage	up to 3,000 measured values
Display	dual independent channel displays

Feed-Through Operation: supported for source-fluctuation-canceled loss measurements

Standard Operating Conditions

Pair each channel with a sensor appropriate for the wavelength and power level under test. Zero and calibrate per Anritsu procedure before absolute measurements. Use DIFF mode and feed-through sensor topology when 0.001 dB relative resolution is required.

Operational Notes

ML910B shares core two-channel optical measurement capability with ML910A; the ML910B adds internal data storage (up to 3,000 values) for field logging—confirm model suffix on faceplate when ordering or calibrating. Catalog text for ML910A may reference ML910B storage features in error; verify physical model marking. Alias ML910B (hyphenless) appears in inventory systems.

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.