

ANRITSU

ML2438A

The Anritsu ML2438A is a dual-input power meter that combines thermal meter accuracy, diode meter speed, and peak power meter display graphics. Offering a sampling rate of over 35,000 readings per second, it can achieve a 90 dB dynamic range with a single sensor. The unit features a ruggedized housing, built-in graphics display, and supports an optional high-capacity NiMH battery for field service applications.

SPECIFICATIONS

Physical

Power Supply	85 to 264 VAC, 47 to 440 Hz, 40 VA max
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General Characteristics

Number of Channels	2
Dynamic Range	Up to 90 dB (sensor dependent)

Sensor Compatibility

Supported Sensor Families	MA2400A/B Series, MA Series, MP Series
MA2420A/B Thermal Sensors Dynamic Range	50 dB
MA2440A High Accuracy Sensors Dynamic Range	87 dB CW, > 57 dB Peak
MA2460A/B Fast Diode Sensors Dynamic Range	80 dB
MA2470A Power Sensors Dynamic Range	90 dB CW, > 60 dB Peak
MA2480A Universal Sensors Dynamic Range	80 dB

Power Requirements

Battery Option	High-capacity NiMH battery
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Environmental

Storage Temperature	-40 to 70 °C
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Reference Oscillator

Calibrator Reference Frequency	50 MHz
Calibrator Reference Power	0.0 dBm (1.0 mW)
Calibrator Connector	Type N (female)

Inputs & Outputs

Analog Output	BNC (rear panel), scaled to measurement
External Trigger Input	TTL compatible, BNC (rear panel)
V/GHz Input	BNC (rear panel), for automated frequency correction

Accuracy

Reference Oscillator Accuracy	±1.2% per year
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Software & Control

GPIB Emulation	HP 437B, HP 438A
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Power

Power Consumption	40 VA maximum
AC Input Frequency	47 to 440 Hz

TECHNOLOGY

Peak Power Measurement

APPLICATIONS

Test and Measurement

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.