

Quick Fact Sheet

ML2439A

Power Meter

Power Meter with comprehensive power measurement capability

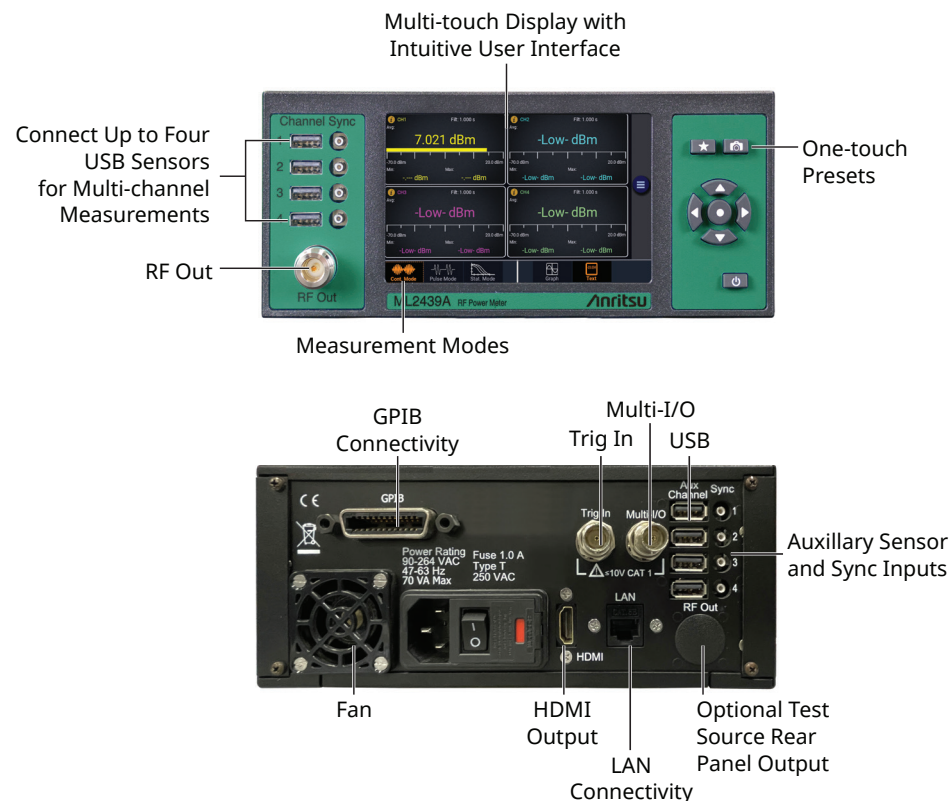
The ML2439A power meter has the performance required for narrow, fast rising-edge pulse power measurements (for example, radar). The ML2439A power meters is designed for CW and modulated signal power measurements, offering a combination of accuracy, speed, and flexibility in a low-cost package.

Several families of power sensors with frequency coverage up to 50 GHz and dynamic range up to 80 dB are available. Most Anritsu power sensors work in either pulsed/modulated or CW mode. In choosing a power sensor, several factors must be considered, including frequency range, dynamic range, and modulation type. The rise time of the sensor should also be chosen to match the rise time of the modulation.

- Capture/display/analyze peak and average power
- Industry-leading (VBW) video bandwidth (195 MHz) and rise time (3 ns)
- Industry-leading 100,000 measurements per second
- Industry-leading 100 ps time resolution

Power Analyzer

- Data displayed as numerical meter or waveform trace
- Statistical analysis with CCDF plot (for standalone MA244xxA sensors)
- Multiple marker measurements, including between marker data and marker ratios
- Automated measurements; e.g. 16 automated pulse measurements
- Export measurement data in .csv or .pdf formats Up to eight simultaneous power measurement channels



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Performance and Functional Highlights

Frequency Range from 10 MHz to 50 GHz
Max Video Bandwidth (VBW): 195 MHz
Min Rise Time: < 3 ns
Measurement/Acquisition Speed: 100,000 measurements per second
Time Resolution: 100 ps
Automatic Pulse Measurements: 16
Max Effective Sample Rate: 10 GS/s
Max Pulse Repetition Rate: 50 MHz
Supports GPIB and LAN interface for Remote monitoring
Supports SCPI commands over GPIB and LAN interfaces
Optional secure USB drive for additional security
Synchronous multi-channel measurements (up to 4 channels)
Sensors can be used as standalone instruments

Supported USB Power Sensors¹

MA244xxA Peak Power Sensors
MA243xxA CW Power Sensors
MA241xxA and MA242xxA True RMS Sensors

¹ MA24103A, MA24105A, and MA24106A not supported.

Ordering Information

Part Number	Description
ML2439A	Power Meter, Dual Input
ML2439A-0004	Adds two active channels (for a total of 4)
ML2439A-1004	Adds two active channels (retrofit); required return to factory
ML2439A-0005	GPIB Control (internally installed)
ML2439A-1005	Control (internally installed) (retrofit); required return to factory
ML2439A-0006	Removes internal microSD and enables boot from USB drive (included)
ML2439A-1006	Installation of Option 6, post initial purchase (retrofit); required return to factory

Included Accessories

Part Number	Description
11410-00976	Information Card (provides information on where to download the latest manual, software, utilities)

Optional Accessories

Part Number	Description
2000-2154-R	External USB drive for secure operation
2000-2155-R	19" Rack Mount Kit

Refer to the Technical Data Sheet for full specifications

www.anritsu.com