

MI-3221 Power Meter

Key Features & Benefits

- Accuracy over a 90 dB Range
- Fastest CW Measurements
- Peak Power Measurements
- Average Power Measurements
- Built-in Frequency Response Calibration



MI-3221 Power Meter

Description

MI Technologies' MI-3200 Power Meter offers unsurpassed accuracy, speed, range and measurement capabilities. Built-in features such as power sweep calibration and frequency calibration provide an unequaled degree of measurement accuracy.

The MI-3200 Power Meter can measure the CW, peak and average power of complex modulated signals used in EW, radar and communications systems. The power meter also has the speed and range to meet the throughput demands of high volume manufacturing.

Use of innovative digital signal processing and fast responding diode sensors allow the MI-3200 Power Meter to support high-speed measurements. The MI-3200 allows users to achieve 500 readings per second over GPIB. The unit's fast buffered mode can be used to further reduce processor overhead and capture up to 4,000 readings per second in the CW mode.

Due to its innovative design, the MI-3200 Power Meter can respond much faster to power level changes than meters using thermocouple sensors.

The enhanced speed provides a reduction in test time and a significant increase in manufacturing throughput.

When combined with a family of interchangeable sensors, the MI-3200 Power Meter provides different power measurement functions including CW, peak and modulated, over a wide dynamic range at fast measurement speeds.



1-800-854-3660
www.mi-technologies.com

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Specifications

Speed:

Measures CW power from 10 MHz to 40 GHz at speeds up to 500 readings per second over GPIB

Measures up to 90 dB with a single sensor. Select from a variety of sensors up to 50W

Peak Power:

Measures instantaneous peak power level of a pulse modulated signal with MI Technologies' Peak Power Sensor

Built-in Frequency Response Calibration:

Calibration factors are programmed into the sensor to allow easy configuration of the power meter for measurements

The Sensor EEPROM applies the correct calibration factor from the sensor when the measurement frequency is entered. The meter automatically reads a new set of calibration factors whenever a sensor is changed.

GSM, NADC and PDC:

Exclusive Time Gating features of the MI-3200 Power Meter lets you program a measurement start time and duration to measure the average power during a specific time slot of a burst signal.

General Specifications:

Temperature Range:

Operating: 0 to 50 C (+32 to +122F)

Storage: -40 to 70C (-40 to 158F)

Power Requirements:

100/120/220/240 V +/- 10%

48 to 440 Hz, 25VA typical

Physical Characteristics:

Dimensions: 215 mm (8.4 in) wide, 89 mm (3.5 in) high, 368 mm (14.5 in) deep

Weight: 4.55 kg (10lbs)

Approvals:

CE Marked



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