



RFWattmeter™

The RFWattmeter™ will operate from 100 kHz to 10 MHz up to 2,000 Watts full scale. The RFWattmeter™ comes in a small plastic enclosure with RF input and output connectors, a DC power connector, USB connector, and three analog output connectors for direct access to measurement signals.

RFWattmeter™ Selection Matrix

Model	USB Interface	Power Scale	Resolution	Calibration Point
		Watts	Watts	Watts
21B		0 - 200	0.025	20
22B		0 - 2,000	0.25	200
23B	✓	0 - 200	0.025	20
24B	✓	0 - 2,000	0.25	200

Universal Technical Specifications

Analog signal output: Average power, voltage and current

Screen output data: Average power (P), voltage (V), current (I), impedance magnitude (Z) and phase angle (A)

Sample rate: 8-64 Samples/second (up to 800 Samples/second with custom software)

Loss through meter: <0.01 dB at 50 Ω

Calibration point: 20 Watts into 50 Ω at 2.5 MHz on 200 W Range; 200 Watts into 50 Ω at 2.5 MHz on 2,000 W Range

RF connectors: BNC(f) Input and Output

Load impedance: 50 Ω (nom.), 10 – 250 Ω OK

Power supply: Wall Wart AC adapter, 100-240 VAC 50-60 Hz input, 6 VDC output (supplied with meter)

Frequency: 100 kHz to 10 MHz (other frequencies available upon request)

*Battery powered optional

Optional Advanced & Detailed Calibration

Calibration is performed using an absorptive power meter as a reference standard. The provided test report will include plots of the RFWattmeter's frequency response and power linearity.

Reference meter: Agilent/HP EPM-441A RF Power Meter

Agilent/HP 8482H RF power sensor, calibrated 0.1 MHz – 4.2 GHz

Bird model 8322 RF attenuator 200 Watts continuous, 30 dB, 50 Ω



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