

Peak / Average Reading Broadband, Multirange Directional RF Wattmeter Model 83060

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Features

- Non-Removable Broadband Element
- Shock Mounted "Taut Band" Meter
- 4-1/2" Mirrored Scale
- Quick Match Connectors
- Internal 7/8" Line Section
- Gold Plated Element
- Two Year Limited Warranty



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Description

Similar in appearance and operation to our standard Model [81060](#) Wattmeter, the Model 83060 converts from Average Reading to Peak Reading, with the flip of a switch, by inserting a peak reading amplifier between the element and the meter.

The Model 83060 is designed to measure RF power in amplitude modulated systems such as television, telemetry, radar and peak envelope power (PEP) such as SSB and AM signals.

The use of a rugged shock mounted meter with a mirror-backed scale along with superior taut band technology, provides reliable and accurate readings, and also satisfies both the US Navy and Canadian standards for bounce and vibration. This is your assurance of complete accuracy.

Your confidence in the quality and dependability of the Model 83060 Wattmeter is assured with the Coaxial Dynamics Two Year Limited Warranty.

Specifications

Power Ranges	15, 50, 150, 500 and 1500 watts full scale (500 watts maximum from 800 to 1000 MHz)
Frequency Range	25 MHz to 1000 MHz
Accuracy (Average Mode)	25 to 100 MHz, $\pm 7\%$ of full scale using corrections chart 100 to 512 MHz, $\pm 6\%$ of full scale, no correction required 512 to 1000 MHz, $\pm 7\%$ of full scale, no correction required

Accuracy (Peak Mode)	25 to 100 MHz, $\pm 9\%$ of full scale using corrections chart 100 to 512 MHz, $\pm 8\%$ of full scale, no correction required 512 to 1000 MHz, $\pm 9\%$ of full scale, no correction required		
Insertion Loss	0.10 dB max. from 25 to 512 MHz (with UHF female connectors) 0.15 dB max. from 512 to 1000 MHz (with UHF female connectors)		
VSWR	1.08 max. from 25 to 512 MHz (with UHF female connectors) 1.12 max. from 512 to 1000 MHz (with UHF female connectors)		
Element	Non-Removable Broadband (25 to 1000 MHz, 1500 watts max.) rotatable for forward and reflected power measurements		
Impedance	50-Ohms		
Pulse Parameters	Square Pulses:	Min. Pulse Width	.5 μ sec 100 to 1000 MHz 2 μ sec 26 to 99 MHz 15 μ sec 2 to 25 MHz
		Min. Repetition Rate	30 pps
	Gaussian Pulses:	Min. Pulse Width	.5 μ sec 25 to 1000 MHz 15 μ sec 2 to 24 MHz
		Min. Repetition Rate	30 pps
Power Requirements	One 9 volt alkaline transistor battery (supplied)		
RF Connectors	Type UHF Female standard (see note below)		
Dimensions (H x W x D)	7.3 in. (18.5 cm) x 5 in. (12.7 cm) x 4 in. (10.2 cm)		
Weight	4.0 lbs. (1.81 kg)		
Case Finish	Textured Blue Polyurethane Enamel		
<i>Note: Other Quick Match Connectors are available.</i>			

[general documents/SUPPLIERS/COAXIAL/specs for online catalogue/Directional Wattmeters/footer.htm]