NEW

COAXIAL DYNAMICS

Broad Band, Directional (Peak/Average) Multi-Range

RF Directional Wattmeters

MODELS 81060/ 83060

RF WATTMETERS

1500 Watts F.S. 25 MHz - 1000 MHz

MODEL 81060 AVERAGE READING

With the New 81060 Directional Wattmeter you can now measure average RF Power in 50 ohm coaxial cable and transmission lines without the need for additional plug in elements.

Model 81060 comes complete with the same 4½" taut-band meter movement, "Quick Match" RF Connectors, and precision line section that are used in our 81000-A/83000-A Wattmeter Series.

These features plus a special non-removable Broad Band Element allow Full-Scale Power measurement on any one of 5 selectable ranges of 15, 50, 150, 500, and 1500 Watts across a frequency range of 25 to 1000 MHz.

Versatile and reliable, the Model 81060 is also easy to use. Simply connect the Wattmeter between the RF Power Source and the antenna or "dummy" load, select the appropriate power range on the 5 position switch, and read the power directly on the mirrored-backed meter when the frequency is between 100 and 1,000 MHz. Below 100 MHz, multiply the meter reading by the correction factor found on the chart on the back of the Wattmeter.

MODEL 83060 PEAK/AVERAGE READING

Similar in appearance and operation to our standard Model 81060 wattmeter. The 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-A 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.

CHECK THESE DISTINCT ADVANTAGES

FOR ACCURACY

- ☑ SHOCK MOUNTED "TAUT BAND" METER
- ☑ 4½" MIRRORED SCALE
- ☑ NON-REMOVABLE BROAD BAND ELEMENT

FOR VERSATILITY

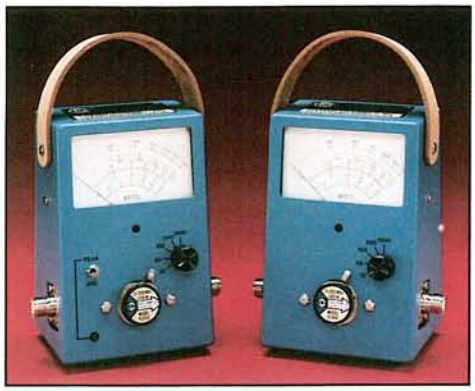
- ☑ QUICK MATCH CONNECTORS
- ☑ INTERNAL LINE SECTION

YOUR ASSURANCE OF DURABILITY

- ☑ 2 YEAR LIMITED WARRANTY

Coaxial Dynamics
A CDI INDUSTRIES, INC. COMPANY
SPECIALISTS IN RF TEST EQUIPMENT & COMPONENTS
6800 Lake Abram Drive, Middleburg Hts., Ohio 44130, USA
(440) 243-1100 • 1-800-COAXIAL • FAX: (440) 243-1101
E-Mail coaxial@apk.net • Web Site http://www.coaxial.com

COAXIAL DYNAMICS



SPECIFICATIONS:
Model 81060 , Broadband Average Reading Directional RF Wattmeter

Power Ranges
15, 50, 150, 500, 1500 Watts, Full Scale.
(500 Watts maximum from 800-1000 MHz)

Frequency Range
25 to 1000 MHz

Accuracy
25 to 100 MHz, ±7% of full scale using corrections chart
100 to 512 MHz, ±6% full scale, no correction required
512 to 1000 MHz, ±7% of full scale, no correction required

Insertion Loss (with UHF female connectors)
0.10 dB max., 25 to 512 MHz
0.15 dB max., 512 to 1000 MHz

VSWR (with UHF female connectors)
1.08 max., 25 to 512 MHz
1.12 max., 512 to 1000 MHz

Element
Broadband (25 to 1000 MHz 1500 Watt max.), rotatable for forward and reflected power measurements, non-removable

Nominal Dimensions (excluding connectors)
7.3" high, 5" wide, 4" deep

Weight
3.8 lbs.

Case Finish
Nitro-Blue

SPECIFICATIONS:
Model 83060 , Broadband Peak/Average Reading Directional RF Wattmeter

Power Ranges
15, 50, 150, 500, 1500 Watts, Full Scale.
(500 Watts maximum from 800-1000 MHz)

Frequency Range
25 to 1000 MHz

Accuracy
25 to 100 MHz, ±7% average mode of full scale using corrections chart
±9% peak mode
100 to 512 MHz, ±6% average mode full scale,
±8% peak mode, no correction required
512 to 1000 MHz, ±7% average mode of full scale,
±9% peak mode, no correction required

Insertion Loss (with UHF female connectors)
0.10 dB max., 25 to 512 MHz
0.15 dB max., 512 to 1000 MHz

VSWR (with UHF female connectors)
1.08 max., 25 to 512 MHz
1.12 max., 512 to 1000 MHz

Element
Broadband (25 to 1000 MHz 1500 Watt max.), rotatable for forward and reflected power measurements, non-removable

Nominal Dimensions (excluding connectors)
7.3" high, 5" wide, 4" deep

Weight
4.0 lbs.

Case Finish
Nitro-Blue

Power Requirements
ONE 9V alkaline "transistor" battery supplied

Pulse Parameters
Square Pulses: Minimum pulse width: .5 μsec 100-1000 MHz
2 μsec 26-99 MHz
Minimum repetition rate: 30 pps 15 μsec 2-25 MHz

Gaussion Pulses: Minimum pulse width: .5 μsec 25-1000 MHz
15 μsec 2-24 MHz
Minimum repetition rate: 30 pps

88000 SERIES RF QUICK MATCH 50 ohm CONNECTORS

88000	N Female	88007	LC Male	88014	HN Male
88001	N Male	88008	C Female	88020	SMA Female
88002	BNC Female	88009	C Male	88021	SMA Male
88003	BNC Male	88010	7/8" Swivel Flanged	88026	Miniature UHF Female
88004	UHF Female	88011	TNC Female	88027	SC Female
88005	UHF Male	88012	TNC Female	88028	SC Male
88006	LC Female	88013	HN Female		

FOR MORE INFORMATION CALL TOLL FREE 1-800-COAXIAL (262-9425)