

RF Directional Wattmeters

81000A Series

Models 81000-A/81001-A

The Model 81000-A Wattmeter. . . now you can measure RF power in 50 ohm coaxial cable and transmission lines, and accept plug in elements in the range of 0.1 to 10,000 watts full scale, and from 0.45 to 2300 MHz.

Complete with a built-in line section, our "Quick Match" RF connectors for 50 ohm cables and transmission lines offer the speed and reliability you expect from Coaxial Dynamics.

The 81000-A is easy to use. Simply connect the wattmeter between the power source and antenna or "dummy" load, plug in the appropriate measuring element and select forward or reflected direction. The RF power is visually identified directly on the 4½" three scale display.

Versatile and strong. The model 81000-A can be used with accessory cables up to 200' from the meter and is protected by a rugged, virtually indestructible shock-proof housing. For added convenience, two sockets for storage of additional elements are located on the back of the unit.

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

The 81001-A RF Wattmeter, identical to the 81000-A, has the added feature of an auxiliary DC input, providing the option of single meter measurement of several power sources. Line sections (eg. P/N 88525) are permanently installed at these measurement points, with model 81001-A connected to each as needed. The DC signal is coupled from the line section to the auxiliary DC input to provide the same measuring capabilities as the basic model 81000-A.

Your confidence in the quality and dependability of the 81000-A series is assured with the Coaxial Dynamics Two Year Limited Warranty.

*For more information on the Model 81000-A Series, Panel Mounted Wattmeters, WATTKITS and accessories consult factory.



CHECK THESE DISTINCT ADVANTAGES

FOR ACCURACY

- Shock Mounted "Taut Band" Meter
- 4½" Mirrored Scale

FOR VERSATILITY

- Quick Match Connectors
- Internal Line Section

FOR DURABILITY

- Hi Con Plated Plug-In Elements
- 2 Year Limited Warranty



Coaxial Dynamics

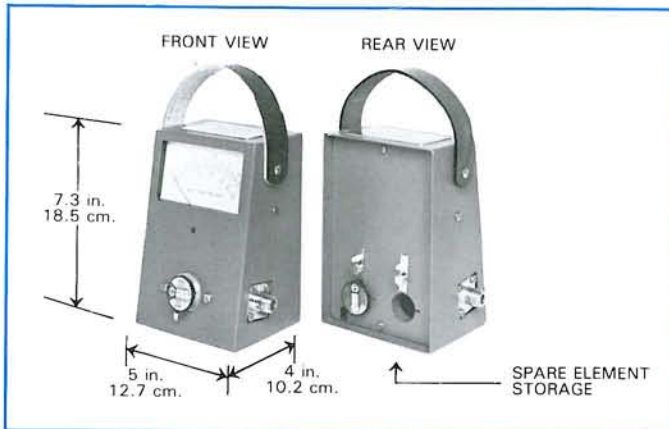
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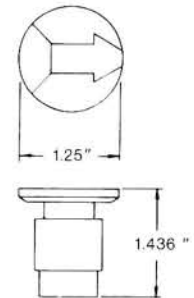
Specifications: MODEL 81000-A & 81001-A

Power Range 100 mW-10 kW
 Frequency Range 0.45-2300 MHz
 VSWR 1.05:1 max., with N connectors
 Accuracy ±5% of full scale
 Impedance 50 ohms
 RF Connectors Type N(F) Standard
*Other "Quick Match" Connectors are available.
 See 88000 Series Below*
 Weight 3.6 lbs. (1.6 kg.)
 Element Weight 1.25 oz. (.035 kg.)

SCHEDULE (1)

STANDARD ELEMENTS (CATALOG NUMBERS)

Power Range	Frequency (MHz)							
	2-30	25-60	50-125	100-250	200-500	400-1000	950-1300	1.1-1.8 GHz
5 watts		82012	82020	82028	82036	82045	82068	82079
10 watts		82013	82021	82029	82037	82046	82069	82080
25 watts		82014	82022	82030	82038	82047	82070	82081
50 watts	82004	82015	82023	82031	82039	82048	82071	82082
100 watts	82005	82016	82024	82032	82041	82049	82072	
250 watts	82006	82017	82025	82033	82042	82050	82073	
500 watts	82007	82018	82026	82034	82043	82051	82074	
1000 watts	82008	82019	82027	82035	82044	82052	82075	
2500 watts	82009							
5000 watts	82010							



MODEL NUMBERS

SCHEDULE (2)

MILLIWATT ELEMENTS

100 mW	Cat. No.	250 mW	Cat. No.	500 mW	Cat. No.
20-23 MHz	820A022	70-80 MHz	820B075	25-30 MHz	820C028
44-50 MHz	820A047	72-76 MHz	820B074	65-90 MHz	820C078
62-70 MHz	820A066	105-120 MHz	820B113	72-76 MHz	820C074
72-76 MHz	820A074	310-350 MHz	820B330	105-120 MHz	820C113
105-120 MHz	820A113	416-436 MHz	820B426	130-170 MHz	820C150
135-165 MHz	820A150	800-900 MHz	820B850	300-350 MHz	820C325
190-205 MHz	820A198	900-950 MHz	820B925	800-900 MHz	820C850
310-350 MHz	820A330			900-950 MHz	820C925
416-436 MHz	820A426				
740-760 MHz	820A750				
800-900 MHz	820A850				

SCHEDULE (3)

LOW POWER ELEMENTS

1 watt	Cat. No.	2.5 watts	Cat. No.
28-44 MHz	820D036	60-80 MHz	820E070
40-50 MHz	820D045	80-140 MHz	820E110
44-70 MHz	820D057	95-150 MHz	820E123
70-120 MHz	820D095	150-250 MHz	820E200
108-118 MHz	820D113	200-300 MHz	820E250
108-181 MHz	820D145	225-400 MHz	820E313
150-250 MHz	820D200	275-450 MHz	820E363
200-300 MHz	820D250	340-560 MHz	820E450
275-450 MHz	820D363	800-950 MHz	820E875
310-350 MHz	820D330		
327-543 MHz	820D435		
425-850 MHz	820D638		
800-950 MHz	820D875		

NOTE: Special elements other than those listed can be custom designed, contact you local distributor or Coaxial Dynamics, Inc. for more information

88000 Series RF Quick Match 50 ohm Connectors

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

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

