

RF POWER MONITORS

PM-1A SERIES, PM-2A SERIES

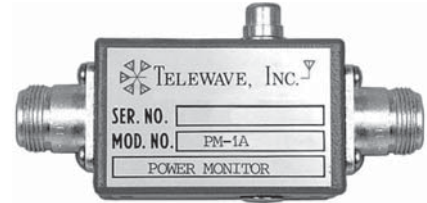
Telewave RF Power Monitors are single or dual-direction devices which produce a DC voltage proportional to an RF signal between 30 and 960 MHz, depending on model. These devices exhibit extremely low insertion loss, and are designed to be placed in the transmission line permanently, allowing continuous monitoring of forward and reflected power.

Each power monitor is used for one transmitter within a specified bandwidth. Voltage trimmers allow each unit to be quickly recalibrated for a new frequency within the same

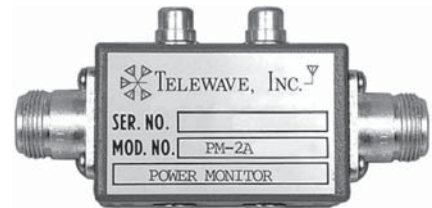
band. One or two RCA connectors provide access to the proportional DC output, which is coupled to the meter panel with a simple shielded audio-type cable.

Standard RF connectors are N Female. Any combination of N, SMA, or UHF, Male or Female are available on request.

Note: Center frequency or desired band coverage must be specified with order.



PM-1A



PM-2A

MODEL	TYPE	FREQUENCY	BANDWIDTH*
PM-1A-50	Single Direction	30-88 MHz	20 MHz
PM-1A-90	Single Direction	87.5-108 MHz	20 MHz
PM-1A-150	Single Direction	118-230 MHz	50 MHz
PM-1A-300	Single Direction	200-400 MHz	50 MHz
PM-1A-450	Single Direction	380-512 MHz	50 MHz
PM-1A-760	Single Direction	700-869 MHz	50 MHz
PM-1A-900	Single Direction	806-960 MHz	50 MHz
PM-2A-50	Dual Direction	30-88 MHz	20 MHz
PM-2A-90	Dual Direction	87.5-108 MHz	20 MHz
PM-2A-150	Dual Direction	118-230 MHz	50 MHz
PM-2A-300	Dual Direction	200-400 MHz	50 MHz
PM-2A-450	Dual Direction	380-512 MHz	50 MHz
PM-2A-760	Dual Direction	700-869 MHz	50 MHz
PM-2A-900	Dual Direction	806-960 MHz	50 MHz
SPECIFICATIONS			
Input power range	5-1000 watts		
Impedance (typ.)	50 ohms		
VSWR (max.)	1.1:1		
Insertion loss (typ)	0.1 dB		
Dimensions (HWD) in. (cm)	1.375 x 2.25 x 1.25 (3.5 x 5.7 x 3.2)		
Weight lb. (kg)	0.5 (0.2)		
RF connectors	Any combination of N, SMA, or UHF Male/Female (specify types)		
DC connectors	RCA-F standard, BNC-F or SMA (optional)		

*Bandwidth is the approximate maximum range over which a useful range of voltages are available without retuning.