

RF POWER MONITORS

PM-1A SERIES, PM-2A SERIES

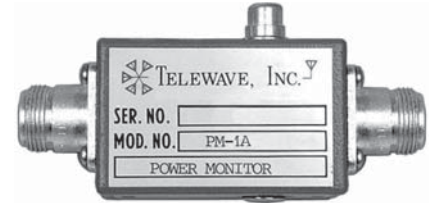
Telewave RF Power Monitors are single or dual-direction devices which produce a DC voltage proportional to an RF signal between 30 and 960 MHz, depending on model. These devices exhibit extremely low insertion loss, and are designed to be placed in the transmission line permanently, allowing continuous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

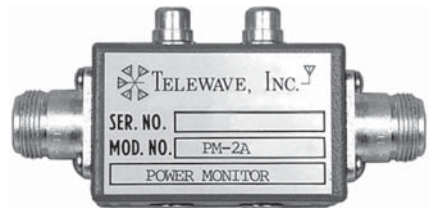
band. One or two RCA connectors provide access to the proportional DC output, which is coupled to the meter panel with a simple shielded audio-type cable.

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-2A-50 | Dual Direction | 30-88 MHz | 20 MHz |
| PM-1A-90 | Single Direction | 87.5-108 MHz | 20 MHz |
| PM-2A-90 | Dual Direction | 87.5-108 MHz | 20 MHz |
| PM-1A-150 | Single Direction | 118-230 MHz | 50 MHz |
| PM-2A-150 | Dual Direction | 118-230 MHz | 50 MHz |
| PM-1A-300 | Single Direction | 200-400 MHz | 50 MHz |
| PM-2A-300 | Dual Direction | 200-400 MHz | 50 MHz |
| PM-1A-450 | Single Direction | 380-512 MHz | 50 MHz |
| PM-2A-450 | Dual Direction | 380-512 MHz | 50 MHz |
| PM-1A-760 | Single Direction | 700-869 MHz | 50 MHz |
| PM-2A-760 | Dual Direction | 700-869 MHz | 50 MHz |
| PM-1A-900 | Single Direction | 806-960 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.