



# MODEL iPM-1

## Internet Power Monitor

The EMR iPM-1 Internet Power Monitor is a single channel web enabled RF Power Monitoring System, It monitors the functioning of a transmitter at the final amplifier output. The unit requires a dual directional RF Power Sensor (EMR 2X92/T2(ADCRMS)) at the transmitter output for delivering digitized data to the iPM-1 master unit.

The iPM-1 can be programmed, monitored and controlled locally or remotely via the internet. In addition to on-line error reports the iPM-1 has dry contacts for signaling an alarm to other equipment.



### Product Features:

- PTT (Push-to-Talk) Test
- PTT Sense
- COR (Carrier-on-Receiver) Sense
- System Log - View reading via web browser
- Alarm e-mail notifications
- Real time clock with NIST Sync
- Forward & reverse power graphs
- VSWR graphs
- Contact closure & LED alarm
- Rack mounting for multiple devices



1RU mounting configuration for up to four devices.

## PRODUCT SPECIFICATIONS

Number of Channels	1 TX (forward and reflected power)
Front Panel Control	Select button scrolls LCD display reading
Wide Area Network	RJ45
Programming Interface	Web page
Activity Alarm	Front Panel Power and Alarm (LED)
DC Power / DC Current	13.8 VDC / 250 mA
Dry Contact Alarm	J1 Plug
Directional Couplers (sold separately)	RJ11-6
IP Protocol	HTML
Built-in E-mail Server	Up to 5 addresses
Space Requirements	1 RU



# MODEL 2491/T2 Power Sensor

## ELECTRICAL SPECIFICATIONS

### Frequency Band

Model: 2491/T2(ADCRMS)	134 - 174 MHz
Model: 2591/T2(ADCRMS)	380 - 512 MHz
Model: 2691/T2(ADCRMS)	698 - 1000 MHz
Operating BW	50 MHz (Min.)
Power Input	1000 W (Max. Continuous)
Directivity	25 dB (Min.)
Insertion Loss	0.15 dB (Max.)
Return Loss (I/O Ports)	20 dB (Min.)
Connectors	N-Female, RJ11
Impedance	50 ohm (Nominal)

## MECHANICAL SPECIFICATIONS

Finish	EMR Gray
Overall Dimensions (HxWxD)	1.5" x 1.3" x 4.2"
Weight	0.5 lbs.

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30 to +60°C
Storage Temperature	-40 to +100°C
Humidity	90% (Non condensing)

