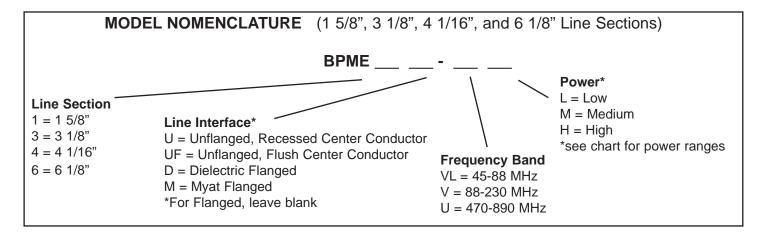


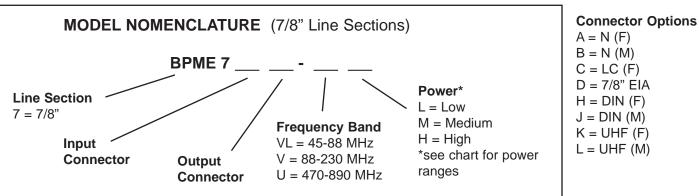
BIRD® BPME SERIES

BROADCAST POWER MONITORS FOR DIGITAL AND ANALOG APPLICATIONS

- Accurately measures power in digitally modulated and multi-carrier systems
- VSWR, return loss and match efficiency calculations using hardware or PC-based software displays
- Remote access (monitoring and control) via serial and ethernet interfaces
- Datalog function records critical parameters to facilitate preventive maintenance of your system
- 3rd Socket integral for use with an optional sampler, perfect for applications like IBOC where spectral emissions performance is mandated
- ±5% of reading accuracy for power; ±10% for VSWR
- Handles peak to average ratio of greater than 10 dB
- 7/8", 1 5/8", 3 1/8", 4 1/16", and 6 1/8" 50 ohm line section sensors for use with industry-standard rigid transmission lines. Contact factory for sizes not listed
- Alarms on low forward power, high forward power, and high VSWR protect the transmitter and can contact personnel to minimize downtime.









RF Measurement and Management in Your World



BROADCAST POWER MONITOR BIRD® BPME SPECIFICATIONS

BPME OPERATING CHARACTERISTICS

Frequency Range

Forward/Reflected Power Range

Measurement Type

Peak/Average Ratio

Coupler Directivity

Accuracy

Dynamic Power Range Alarms

Outputs

Display Options

Remote Interface

See tables below See tables below

In-Line, True Average Power

10 dB

26 dB min., 30 dB typical

±5% of reading

20 dB **VSWR**

No/Low Forward Power High Forward Power SPDT relay contact

BPME PC Software, 3129 Ethernet 10BASE-T or 100BASE-TX

(auto-sensing)

Ethernet Version 2.0/IEEE 802.3

Protocols: ARP, UDP/IP, TCP/IP, Telnet, ICMP, SNMP, DHCP, BOOTP, TFTP, Auto IP, and

Security: 256-bit encryption

Serial RS-232, 9600 baud, no parity, 8 data

bits, 1 stop bit, no handshake

MODEL 3129 DIGITAL DISPLAY

Operating Voltage Operating Power Dimensions

Weight

Supplied with

115/230 VAC @ 50/60 Hz Less than 10 watts 5.25" x 19" x 1.75"

(133.35 mm x 483 mm x 44.5 mm) Approximately 2 lbs. (0.85 kg) 50 feet of cable to connect RS-232 and serial ports between 3129 and

line section, and serial interface cable

LINE SECTION

Operating Temperature Storage Temperature

Humidity Altitude

Calibration cycle

-10° to +50° C (14° to 122° F) -40° to +80° C (-40° to 176° F) 95% ±5% max. (noncondensing)

up to 10,000 feet (3048 m)

Annual

Line Size	VHF (45-230 MHz)		UHF (470-890 MHz)	
	Power Designator	Forward Power Range	Power Designator	Forward/Reflected Power
1 5/8"	Low	200 W - 2 kW	Low	50 - 500 W
	Medium	2 - 8 kW	Medium	500 W - 2 kW
	High	8 - 20 kW	High	2 - 5 kW
3 1/8"	Low	500 W - 5 kW	Low	250 W - 2.5 kW
	Medium	5 - 20 kW	Medium	2.5 - 10 kW
	High	20 - 50 kW	High	10 - 25 kW
4 1/16"	Low	1 - 10 kW	Low	400 W - 4 kW
	Medium	10 - 40 kW	Medium	4 - 15 kW
	High	4 - 100 kW	High	15 - 40 kW
6 1/8"	Low	2 - 20 kW	Low	800 W - 8 kW
	Medium	20 - 80 kW	Medium	8 - 30 kW
	High	80 - 200 kW	High	30 - 75 kW
7/8"	Low	50 - 500 W	Low	25 - 250 W
	Medium	500 W - 2 kW	Medium	250 W - 1 kW
	High	2 - 5 kW	High	1 - 2.5 kW





