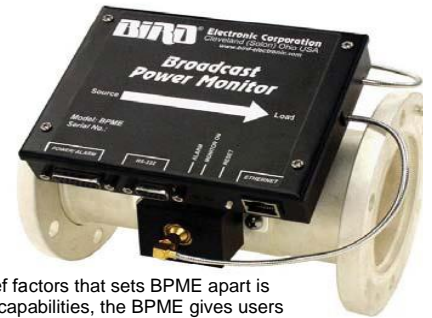


Série BPME – Monitor de potência para Broadcast - FM/IBOC/HDTV

Modulation	CW	AM	FM	ΦM	CM
Power	See table below				
Frequency	VHF (45 - 230MHz) /UHF (470 - 890MHz)				



- Integral Power Monitor System - Integration of forward and reflected elements into the RF Detection/Control Circuit yields added stability and greater dynamic range.
- Ethernet & RS-232 Enabled - Future-ready remote monitoring, control & instant alarm alert.
- Integral RF Test Port - Enables mask compliance testing, as well as monitoring of spectrum, modulation, frequency & RF envelope performance.
- Data Logging Capabilities - System trends and anomalies can be detected before failures.

While the BPME provides the usual power and VSWR monitoring, it is much more than just a 'comfort' meter. One of the chief factors that sets BPME apart is the depth of its functionality. From remote monitoring via a user-friendly web interface to never-before available data logging capabilities, the BPME gives users an unmatched range of functions designed to make their jobs easier, while protecting the health of their investment. In addition, the new RF test port enables users to verify spectral compliance for applications such as IBOC or HDTV at the point in the transmission line where it matters most! The enhanced functionality of BPME puts complete analog and digital broadcast monitoring at the user's fingertips through user-friendly, around-the-clock, remote access from any web-enabled device.

NOTE: Please note that the BPME PC Tool is NOT compatible with the older BPM series!

Line Size*	Power	VHF (45-230 MHz)		UHF (470-890MHz)	
		Forward power range	Part #	Forward Power Range	Part #
7/8"	Low	50W - 500W	35841	25W - 250W	35846
	Medium	500W - 2KW	35842	250W - 1KW	35845
	High	2KW - 5 KW	35843	1KW - 2.5 KW	35844
1 5/8"	Low	200W - 2KW	35847	50W - 500W	35852
	Medium	2KW - 8KW	35848	500W - 2KW	35851
	High	8KW - 20 KW	35849	2KW - 5 KW	35850
3 1/8"	Low	500W - 5KW	35853	250W - 2.5KW	35858
	Medium	5KW - 20 KW	35854	2.5KW - 10 KW	35857
	High	20KW - 50KW	35855	10KW - 25KW	35856
4 1/16"	Low	1KW - 10KW	35859	400W - 4KW	35864
	Medium	10KW - 40KW	35860	4KW - 15KW	35863
	High	40KW - 100KW	35861	15KW - 40KW	35862
4 1/2"	Low	1KW - 10KW	35865	400W - 4KW	35869
	Medium	10KW - 40KW	35866	4KW - 15KW	35868
	High	40KW - 100KW	35867	15KW - 40KW	34895
6 1/8"	Low	2KW - 20KW	35870	800W - 8KW	35875
	Medium	20KW - 80KW	35871	8KW - 30KW	35874
	High	80KW - 200KW	35872	30KW - 75KW	35873

*Please confirm flange and dimensions availability when ordering

TPM Series – Transmitter Power Monitor

The Transmitter Power Monitor (TPM) is the latest broadcast solution from Bird. Calibrated coupling ports and accurate power measurement combined in the same unit passes savings of money and space on to you. Using state of the art techniques, the TPM is the first in-situ power solution that can be calibrated in-line and on site. This unprecedented characteristic helps minimize downtime and optimize on-air time. In addition, a simplified interface allows for a high level of customization and integration that any system could appreciate.



Low Cost World Class in-situ power measurement standard solution designed for operation inside the transmitter. Can be calibrated during operation, **while ON-AIR**. Never any need to remove from service which equates to no downtime. Traceable to National Institute of Standards and Technology (NIST).

- DB9 output provides a linear DC voltage output from 0 to 4 volts allowing for a wide variety of interface options
- In-line calibration capability allows for greater accuracy in a single application (with an accurate power reference)
- Integrated non-directional coupler allows for spectral analysis of the signal in minimal space requirements
- Accurately measures true average power for digitally modulated systems
- 7/8", 1 5/8", and 3 1/8", 50 ohm lines available for FM, VHF, and UHF broadcast frequencies

Power Ranges	MHz	54-88, 88-108, 174-216, 470-806
Forward Power Ranges		See Available Power Ranges table
Reflected Power Ranges		10% of Forward Power Range
Measurement type		In-Line, True Average Power
Peak/Average ratio		max 10dB
Directivity	dB	typical 30, minimum 26
Precision		5% of reading
Dynamic Range	dB	16
Output		DB9, voltage

Available Power Ranges

Line	Ranges for VHF (54-216MHz)	Ranges for UHF (470-806MHz)
7/8"	15-500W. 30W-1.0kW. 80W-2.5kW. 150W-5.0kW	15W-500W. 30W-1.0kW. 80W-2.5kW
1 5/8"	30W-1.0kW. 80W-2.5kW. 150W-5.0kW. 300W-10kW	30W-1.0kW. 80W-2.5kW. 150W-5.0kW
3 1/8"	150W-5.0kW. 300W-10kW. 800W-25kW. 1.5 kW-50kW	150W-5.0kW. 300W-10kW. 800W-25kW