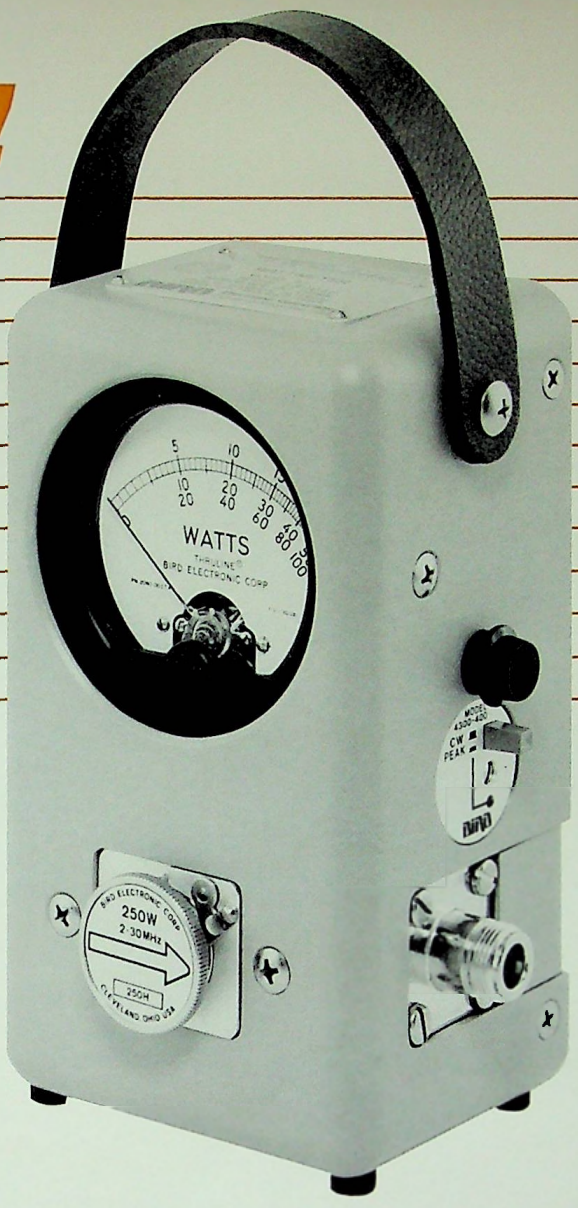
ADVANCED WATTMETER!

Bird Model 43P Capable of True Peak Power Measurements



The new Bird Model 43P Wattmeter enables you to not only measure forward and reflected RF power in the CW mode, but also measure the true peak power of SSB, AM, and limited pulse signals.

This new wattmeter is the same as the Bird Model 43 THRULINE® Wattmeter — the standard of radio engineers for years — plus the capability to measure peak power, to an accuracy of ±8% full scale.

The new Model 43P includes circuitry inside the meter housing to measure peak power, and a mode selector switch is provided to select either peak or CW operation.

With this meter, you can make peak measurements on a minimum duty cycle of 2% with a repetition rate of 100 pps and a pulse width of 200 μsec. minimums.

Look at the other advantages of the Model 43P that mean more value to you:

FEATURE	BENEFIT
• Measures peak and CW independently	• No interference between measuring modes
• Long battery life	• Minimizes operational costs
• Broad RF power and frequency range	• Plug-in elements cover multiple applications
• Uses standard plug-in elements	• No extra cost elements for peak operation
• Built to industrial quality standards	• Provides long service life
• Precision line section	• Provides measurements with exceptional accuracy

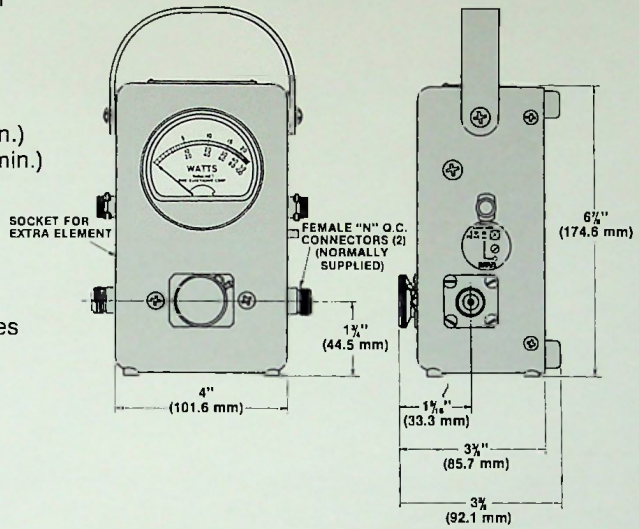
Simple to Operate! Select the desired RF power measurement mode with the switch in the side of the Model 43P and read the power, CW or peak, directly on the meter.

Accurate! Standard plug-in elements provide frequency and power ranges. For CW operation, power readings are accurate within ±5% full scale. For PEP operation, power readings are accurate within ±8% full scale.

Proven Bird Connectors! Two Female N Connectors are standard on the Model 43P. Other Bird QC connectors available include: Male or Female BNC, TNC, UHF, C, SC, LC, N, HN, LT, General Radio Type 874 and 7/8" EIA Flanged. All these QC connectors are interchangeable in the field without affecting the instrument's calibration.

Specifications

Power Ratings	100 mW to 10,000 W (depending on element selected)
Frequency Range	450 kHz to 2.3 GHz (depending on element selected)
Modulation (Peak Mode)	Normal voice audio; or Rectangular pulses Duty cycle 2% (min.) Repetition rate 100 pps (min.) Pulse width 200 μsec. (min.)
Accuracy	
CW Mode	±5, full scale
Peak Mode	±8, full scale
Impedance	50 ohms, nominal
Insertion VSWR	1.05 max, with N connectors
Power Requirements (Peak Mode)	Two 9-V (NEDA type 1604) batteries
Battery Life	48 hours, approximate
Nominal Dimensions (including connectors)	6⅞" high, 5⅛" wide, 3⅝" deep (175 x 130 x 92 mm)
Weight	4 lb
Case Finish	Light navy gray baked enamel (MIL E-15090)



Electronic Corporation

30303 Aurora Rd., Cleveland (Solon), Ohio 44139-2794
216-248-1200 TLX: 706898 Bird Elec UD FAX: 216-248-5426

WESTERN REGION OFFICE:
Bird Electronic Corp.
621 W. Ojai Ave., Suite F
P.O. Box 28, Ojai, CA 93023 805-646-7255