

## VARIABLE RF TAP

## MODEL 4431



The combination Model 4431 THRULINE® Wattmeter provides the advantage of an RF signal sample (for use with counters, oscilloscopes, spectrum analyzers, etc.) at the same time a power measurement is made. Amplitude of the RF sample is readily adjusted by a signal-coupling control knob mounted on the front of the wattmeter case. Uses the same plug-in elements as the Model 43 Wattmeter within its frequency and power ratings.

**Power and Frequency Range:** 5 kW max.  
2 to 30 MHz, 1 kW max. 30 to 1000  
MHz\* using Bird Plug-in Elements\*\*

**Insertion VSWR:** with N connectors  
1.07 max.\* to 1000 MHz

**Accuracy:**  $\pm 5\%$  of full scale

**Insertion Loss:** 0.1 dB max. (2–512 MHz);  
0.2 dB max. (512–1000 MHz)\*

**RF Sample Output:** Variable –15 to –70 dB  
from BNC (Female) port

**Connectors:** QC Type  
(Female N normally supplied)

**Finish:** Gray powder coat

**Nominal Size:** (includes connectors)  
 $6\frac{7}{8}"$  H  $\times$   $5\frac{1}{8}"$  W  $\times$   $3\frac{5}{8}"$  D,  
(175 mm  $\times$  130 mm  $\times$  92 mm)

**Weight:** 3½ lbs. (1.6 kg)

**Elements:** Tables 1, 2, 3, 3A, 4, 6 on  
pages 25 – 26 (within power/frequency  
range limits stated above)

**Recommended Accessories:** Case (page 24),  
extra QC connectors (page 60).

\* Applies only when coupling is less than 30 dB.

\*\* Quoted accuracy only when used with other Bird products.