

Portable Wattmeters

Thruline® RF Directional



43

Power Range	100 mW - 10 kW using Bird® Plug-in Elements.*
Frequency Range	450 kHz - 2.7 GHz (depending on element)
Insertion VSWR	with N Connectors 1.05 max. to 1000 MHz
Accuracy	±5% of full scale
Connectors	QC Type (Female N normally supplied)
Finish	Light Gray powder coat
Nominal Size includes connectors	6 7/8" H x 5 1/8" W x 3 5/8" D, (175 mm x 130 mm x 92 mm)
Weight	3 lbs. (1.4 kg)
Elements	Tables 1, 2, 3, 3A, 4, 6



43P (with Peak Power Retrofit Kit 4300-400)

Power Range	100 mW - 10 kW using Bird® Plug-in Elements.*
Frequency Range	450 kHz - 2.7 GHz (depending on element)
Accuracy	CW Mode: ±5% full scale, Peak mode: ±8% full scale
Modulation	Normal voice audio; or (Peak Mode) Rectangular Pulses; Duty cycle: 2% (min); Repetition rate: 100 pps (min); Pulse width: 200 µs (min)
Connectors	QC Type (Female N normally supplied)
Battery (Life)	48 hours typical
Weight	Adds 1 lb. to Model 43



4431 (Variable RF TAP)

Power Range	5 kW max. 2 - 30 MHz
Frequency Range	1 kW max. 30 - 1000 MHz** using Bird® Plug-in Elements*
Insertion VSWR	with N Connectors 1.07 max.** to 1000 MHz
Accuracy	±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 7/8" H x 5 1/8" W x 3 5/8" D, (175 mm x 130 mm x 92 mm)
Weight	3 1/2 lbs. (1.6 kg)
Elements	Tables 1, 2, 3, 3A, 4, 6 (within power/frequency range limits stated above)
Accessories	Case

*Quoted accuracy only when used with other Bird® Products

**Applies only when coupling is less than 30 dB