

SERIES 44 I O DIRECTIONAL RF

MODEL 44 I OS

OPERATION MANUAL

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Specifications

Insertion VSWR	1.05 maximum, 0-1GHz equipped with Female N connectors (32.3 dB return loss)
Over Ranging	120% of element power rating regardless of selector switch setting (Certain connector types limited to rating of connector)
Power Range†	2mW to 10W, 20mW to 100W, 200mW to 1000W or 2W to 10kW full scale in one Plug-in element. Any Bird 4410-series element may be used.
Frequency Range†	200kHz to 2.3GHz CW or FM. Select from 4410- series elements only.
Accuracy*	±5% of reading above 20% of full scale of the selected power range for FM or CW signals without AM. This accuracy is maintained for a full 37dB dynamic range with each 4410 element
Temperature Range	
Operating	0° to 50°C (32°F to 122°F)
Storage††	-25° to 65°C (-13°F to 149°F)
Relative Humidity	5% to 90% non-condensing
Battery Model 4410 & 4410A Model 4412A	Internal alkaline (24 hours minimum life) Internal NiMH (7 hours minimum from full charge)
Connectors	Over 30 types of field-interchangeable "Quick Change" connectors are available. Female N normally supplied.
Elements	4410 Series type, not interchangeable with other Bird elements
Finish	Grey Powder Coat
Normal Size (includes connectors)	6-7/8"H x 5-1/8"W x 3-5/8"D (175 x 130 x 92 mm)
Weight (Approx.) Model 4410 & 4410A Model 4412A	4 lb. (1.8 kg) with N-Connectors 3-1/3 lb. (1.5 kg)

^{*} Exceptions - Element P/N 4410-1 (0.200 to 0.533MHz) has an accuracy of ±10% of reading. Elements P/N 4410-15 (1.0 to 1.8GHz) and 4410-16 (1.8 to 2.3GHz) which are accurate to ±8% of reading.

†Power and frequency range is determined by 4410 type Plug-In

Elements used.

^{††} See "Battery Care" on page 14