

BIRD

4391 A Thruline® RF Power Analyst



The Model 4319A is a Rugged RF Power Analyst that monitors Peak Pulse Power, Peak Envelope Power, or CW Power during normal equipment operations in the forward or reflected direction. Designed for air navigational aids DME, ATC and other pulsed RF systems such as telemetry, radar, command and control, etc. They need no attenuators, directional couplers or charts.

Product Specifications:

AC Power:	100-130/200-260 V, 50/60 Hz, 6 W
Accuracy:	±5% of full scale CW, ±8% PEP, VSWR: ±10% of reading, % Modulation: (CW power 1/3 or more of full scale) ±5% (0-90%), ±10% (90-100%)
Battery Life:	8 hours (rechargeable)
Connector:	QC Type (Female N normally supplied)
Display Options:	3 1/2 digit, 0.3" LED strobed
Finish:	Blue vinyl with silver anodized side panels
Frequency Range:	450 kHz to 2.7 Ghz
Insertion VSWR:	with N connectors 1.05 max. to 1000 MHz
Meter Scales:	FWD and RFL 25, 50, 100 W
Modulation Frequency:	25 to 10,000 Hz (Audio)
Nominal Size:	(includes connectors) 9 9/16" L x 5 7/32" W x 4 5/16" H (243 mm x 158 mm x 110 mm)
Power Rating:	100 mW to 10 kW using Bird Plug-in Elements
Pulse Parameters:	(min.) Pulse width 0.8 µs (100-2700 MHz), 1.5 µs (26-99 MHz) and 15 µs (2-25 MHz), Repetition Rate 25 PPS, and Duty Cycle 0.1%
Return Loss:	±0.3 dB to corresponding SWR value
Sampling Rate:	2 to 3 readings per second
Usable Over-range:	to 120% of scale (CW, PEP, SWR and Return Loss)
Weight:	5 3/4 lbs. (2.6 kg)