MODEL 243

RFI Locator



Precision RFI Location for Power Line Interference

The Model 243 RFI Locator is engineered for fast, precise detection of power line interference. Its continuously tunable receiver covers 500 kHz to 1000 MHz, while the dual-trace display enables live and stored waveform comparison for accurate signal analysis.

Spark gap noise can be viewed on the display, measured on the signal meter, and monitored through the built-in speaker for rapid identification of interference affecting AM and HAM radio, LTE, and cable communication systems. The included AM Probe extends detection to indoor electronic and low-frequency interference sources.

Recorded trace and video files can be transferred to the Radar Application for waveform analysis, trace comparison, annotation, and report generation. Designed for demanding field use, the Model 243 includes a rugged carrying case, battery charger, Mag-Mount Whip Antenna, Handheld LP Directional Antenna, and AM Probe for a complete ready-to-use system.

SPECIFICATIONS	
FREQUENCY	500 KHz – 1000 MHz SYNTHESIZED TUNER
POWER	RECHARGEABLE NIMH BATTERY PACK 15V AC ADAPTER 12V DC VEHICLE CHARGER
BATTERY LIFE	UP TO 5 HOURS OF CONTINUOUS OPERATION
WEIGHT	5.6 LBS.
DIMENSIONS	10.25" x 6.25" x 2"
DIRECTIONAL ANTENNA (INCLUDED)	
FREQUENCY	270 – 1000 MHz
TYPE	LOG PERIODIC
SIZE	10 ELEMENTS
GAIN	~8 DBi
AM PROBE (INCLUDED)	
FREQUENCY	500 KHz – 3.5 MHz
TYPE	AMPLIFIED LOOPSTICK
MAG MOUNT WHIP (INCLUDED)	
FREQUENCY	52 – 88 MHz
TYPE	WHIP ANTENNA

Product Features

5.7" Color Display

High-resolution display with dual-trace comparison of live and reference signals

Dual Operating Modes

View waveforms, measure signal strength, and monitor interference through the built-in speaker.

AM Probe (Low Frequency)

Amplified loopstick design targets 500 kHz–3.5 MHz for locating indoor and low-frequency interference sources

Log Periodic Antenna

High-gain directional design (~8 dBi) enables precise long-range signal isolation from 270–1000 MHz

Radar Application

Transfer trace and video files via USB or SD card for analysis using the Radar Application

Mag-Mount Whip Antenna

Omnidirectional coverage from 52–88 MHz enables rapid mobile scanning and deployment

Radar Engineers Inc.

Precision Instruments Since 1947

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Ordering

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