MODEL M-331

Mini RFI Locator



Compact Precision for Powerline Interference Detection

The Model M-331 Mini RFI Locator is a compact, all-in-one instrument engineered to detect radio frequency interference generated by power line sparking. Combining a high-sensitivity receiver, integrated four-element Yagi antenna, LCD signal strength meter, and audio monitoring in a single handheld unit, the M-331 enables utility crews to efficiently locate interference sources along electrical distribution systems. Its directional antenna allows technicians to trace interference across multiple utility poles, narrowing the search area through comparative signal measurements.

Operating across an adjustable frequency range of approximately 320–340 MHz, the M-331 uses directional reception and comparative signal strength measurements to identify likely source poles. Independent frequency and RF gain controls, a digital ignition filter, and audible signal monitoring support efficient field troubleshooting. Purpose-built for detecting power line sparking, the M-331 can be paired with the Model 251 Parabolic Pinpointer for precise identification of faulty components

SPECIFICATIONS	
TYPE	RFI LOCATOR
FREQUENCY	320 - 340 MHZ TUNABLE
ANTENNA	FOUR-ELEMENT YAGI ~ 8 DBI GAIN
SIGNAL DISPLAY	LCD SIGNAL STRENGTH METER
READOUT	CALIBRATED DB READOUT FACTORY SELECTABLE dBm, dBµV, OR DDµV
FILTER	DIGITAL IGNITION FILTER SWITCH
AUDIO OUTPUT	INTERNAL SPEAKER 1/8" STEREO JACK
CONTROLS	FREQUENCY, VOLUME, RF GAIN, POWER, IGNITION FILTER
INPUT CONNECTOR	BNC
POWER	9V ALKALINE BATTERY
DIMENSIONS	25.5" x 18.5" x 5.5"
WEIGHT	2 LBS. (0.90 KG)

Product Features

Tunable RF Receiver

Adjustable 320–340 MHz frequency range allows operators to tune away from local transmissions.

Signal Strength Meter

LCD bar graph and calibrated signal readout support comparative measurements between utility poles.

Digital Ignition Noise Filter

Reduces distracting vehicle ignition noise during field investigations for clearer audio monitoring.

Four-Element Yagi Antenna

Four-element antenna provides focused reception for locating power line sparking and identifying likely source poles.

Calibrated Readout

Factory-selectable dBm, dBmV, or dBµV readout for consistent signal-strength measurements.

Spark-Gap Detection

Optimized for detecting power line sparking, helping crews identify likely source poles through directional signal comparisons.

Radar Engineers Inc.

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Mailing

9535 NE Colfax St.

Portland, Oregon 97220

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