MODEL M-331Y

Mini RFI Locator



Compact, High-Sensitivity RFI Locating System for Vehicle and Handheld Use

The Model M-331Y Mini RFI Locator System is a compact, high-sensitivity solution designed to locate power-line sparking that causes radio and television interference. The complete system includes a tunable 320–340 MHz receiver, magnetic-mount whip antenna, and four-element directional Yagi antenna for vehicle-based surveys and handheld field locating.

Technicians begin by surveying the area using the vehicle-mounted whip antenna to detect power-line interference. Once the general location is identified, the handheld Yagi antenna provides directional sensitivity to locate the source pole through comparative signal-strength measurements. Adjustable frequency and gain controls, a calibrated LCD signal strength meter, and a digital ignition noise filter support reliable detection in the field.

Compact and rugged, the M-331Y transitions easily between vehicle and handheld operation, providing utility crews with a complete, versatile system for locating power-line interference.

SPECIFICATIONS	
TYPE	RFI LOCATOR
FREQUENCY	320 - 340 MHz TUNABLE
ANTENNAS	MAG-MOUNT WHIP (VEHICLE) FOUR-ELEMENT YAGI (HANDHELD)
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 12V DC VEHICLE ADAPTER
CASE DIMENSIONS	12" x 17" x 4"
YAGI DIMENSIONS	20" x 18" x 6"
WEIGHT	2 LBS. (0.90 KG)

Product Features

Vehicle & Handheld Operation

Magnetic-mount whip for vehicle surveys and four-element Yagi for directional field location.

Signal Strength Meter

LCD bar graph provides visual signal strength indication for 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.

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