MODEL M-331Y

Mini RFI Locator

Compact, High-Sensitivity RFI Locator for Vehicle and Handheld Use

The Model M-331Y RFI Locator is a compact, high-sensitivity receiver designed to locate power line sparking that causes radio, television, and data interference. Designed for both vehicle-mounted and handheld operation, the M-331Y combines a tunable 320 to 340 MHz receiver with an LCD signal strength meter and two interchangeable antennas: a magnetic-mount whip for vehicle surveys and a four-element Yagi for directional field location.

Adjustable frequency and gain controls allow the operator to reduce unwanted broadcast signals and isolate the characteristic pulse noise produced by arcing and corona discharge on distribution lines. The Digital Ignition Filter suppresses vehicle ignition noise, providing a cleaner, more stable signal for accurate source location.

Compact and rugged, the M-331Y transitions easily from vehicle-based surveying to close-range inspection with the handheld Yagi. With intuitive controls, clear signal indication, and flexible power options, it provides a practical and dependable solution for locating power line interference in the field.

SPECIFICATIONS	
FREQUENCY	320 - 340 MHZ
ANTENNA	MAG-MOUNT WHIP (VEHICLE) FOUR-ELEMENT YAGI (HANDHELD)
INPUT CONNECTOR	BNC
SIGNAL DISPLAY	LCD SIGNAL STRENGTH METER
READOUT	CALIBRATED DB READOUT FACTORY SELECTABLE DBM, DBMV, DBUV
AUDIO OUTPUT	INTERNAL SPEAKER 1/8 IN. STEREO JACK
FILTER	DIGITAL IGNITION FILTER SWITCH
CONTROLS	FREQUENCY, GAIN, DIGITAL IGNITION FILTER
POWER	9V ALKALINE BATTERY 12V DC VEHICLE ADAPTER
DIMENSIONS	12”X 17”X 4” (CARRYING CASE)
YAGI DIMENSIONS	18”x20”

Product Features

Vehicle & Handheld Operation

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

Signal Strength Meter

Calibrated LCD meter provides repeatable signal readings independent of gain settings.

Digital Ignition Noise Filter

Suppresses vehicle ignition noise for clearer signal identification.

Four-Element Yagi Antenna

High-gain directional antenna provides excellent front-to-back rejection.

Spark-Gap Detection

Designed to detect power line spark-gap interference while minimizing response to general electronic noise.

Calibrated Readout

Factory-selectable dBm, dBµV, or dBµV/m readout for consistent field measurements.

Radar Engineers Inc.

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