



MODEL 246A

EMI Sniffer



Field-proven EMI Detection for Critical Infrastructure

The Model 246A is a highly sensitive broadband pulse detector engineered to pinpoint electromagnetic interference (EMI) in power plant environments. Optimized for large motors, generators, PT cabinets, and isolated phase bus systems, it enables technicians to quickly detect and locate EMI caused by arcing shaft bearings, sparking ground brushes, and deteriorating electrical connections or insulators.

Operators can select between H-field and E-field detection modes across four frequency bands: VLF, LF, HF, and UHF. An AC line synchronous indicator helps correlate EMI with power line cycles for improved diagnostic accuracy. The 246A includes both E-field and H-field antennas, plus a built-in speaker and headphone jack for flexible field operation.

Designed for demanding field applications, the 246A allows technicians to compare EMI levels between machines and monitor changes over time, helping identify problem areas before they result in costly failures.

Product Features

Broadband EMI Detection

Detects electromagnetic interference generated by arcing, sparking, and deteriorating electrical components.

Four Frequency Bands

Covers VLF, LF, HF, and UHF to locate a wide range of EMI sources.

AC Line Synchronous Indicator

Correlates detected EMI with power line cycles for improved fault identification.

Selectable H-Field & E-Field Modes

Switch between magnetic and electric field detection for greater diagnostic flexibility.

Trend & Comparative Analysis

Compare EMI levels between machines or monitor changes over time to identify developing faults.

Complete Field-Ready Kit

Includes E-field and H-field antennas, built-in speaker, and headphone jack for versatile field operation.

SPECIFICATIONS	
FREQUENCY BANDS	VLF (~225 KHZ) LF (~3 MHZ) HF (~30 MHZ) UHF (~360 MHZ)
DETECTION MODES	E-FIELD AND H-FIELD ANTENNAS (SELECTABLE)
DYNAMIC RANGE	~ 85 DB (30 DB DISPLAYED)
GAIN CONTROL RANGE	12 STEPS, ~5 DB PER STEP
DISPLAY	10-SEGMENT LED BAR GRAPH ~3 DB PER SEGMENT
INDICATORS	LOW BATTERY, AC LINE SYNC
AUDIO OUTPUT	INTEGRATED SPEAKER AND 1/8" HEADPHONE JACK
POWER SOURCE	9V ALKALINE BATTERY
DIMENSIONS	5.5" X 3.25" X 1.5" (EXCLUDING ANTENNAS)
Weight	13 Oz



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