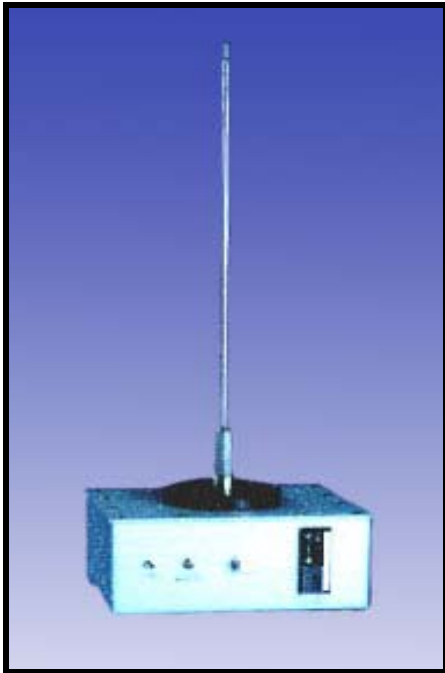


EM-6892 | Antenna, Active Vertical



Description

Electro-Metrics' EM-6892 41" Active Vertical Antenna includes an amplifier that results in high sensitivity to the electric field in the frequency range of 10 kHz to 50 MHz.

The EM-6892 can easily be used with any 50-ohm receiving instrument requiring improved sensitivity. Its battery operation, which eliminates a control cable, adds to its simplified operation. The sealed lead-acid battery included is rechargeable overnight from both 110v and 220v 50/60 Hz power systems.

The EM-6892 provides 12 to 14dB improved sensitivity over the EM-6894 Passive Vertical Antenna in the range of 10 kHz to 10 MHz and 3 to 5 dB improved sensitivity or better up to 30 MHz.

Particularly helpful for automated testing is its flat antenna factor of +14 dB from 10 kHz to 20 MHz.

Specifications

Frequency Range (calibrated): 1 kHz-50 MHz

Dynamic Range: Typically 120 dB
1 μ V/m to 1 V/m

3 dB Bandwidth: 9 kHz – 20 MHz

Impedance: Designed to drive a 50-ohm load

Saturation Level: Typically 126dB (μ V/m) CW,
105 dB (μ V/m/MHz) Broadband

Sensitivity: From -13 dB (μ V/m/Hz)
at 10 kHz to -40 dB (μ V/m/ Hz) at 30 MHz,
typical normalized to 1 Hz bandwidth

Connector: Type TNC

Mechanical

Base Dimensions:

Length: 236 mm (9.3")

Width: 186 mm (7.3")

Height: 99 mm (3.9")

Length Antenna Rod:

Standard: 1.04 m (41")

Optional: 2.1 m (82")

Weight: 3.0 kg (6.5 lbs.)

Ref: 100501

Specifications subject to change without notice.
Unless otherwise specified, product is manufactured in
Johnstown, NY USA.

