

Monopole Antennas *antennas*

EM-6892

Remote Active Vertical, 1 kHz-50 MHz

Electro-Metrics EM-6892 41 inch 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.



[Product Sheet](#)

[Antenna Factor Data](#)

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Specifications

Frequency Range: 1 kHz-50 MHz

Dynamic Range: Typically 120 dB 1 $\mu\text{V}/\text{m}$ to 1 V/m

Sensitivity: From -13 dB ($\mu\text{V}/\text{m}/\text{Hz}$)
at 10 kHz to -40 dB ($\mu\text{V}/\text{m}/\text{Hz}$)
at 30 MHz typical normalized to 1 Hz bandwidth

Power Source: 18 V rechargeable battery

Connector: Type TNC