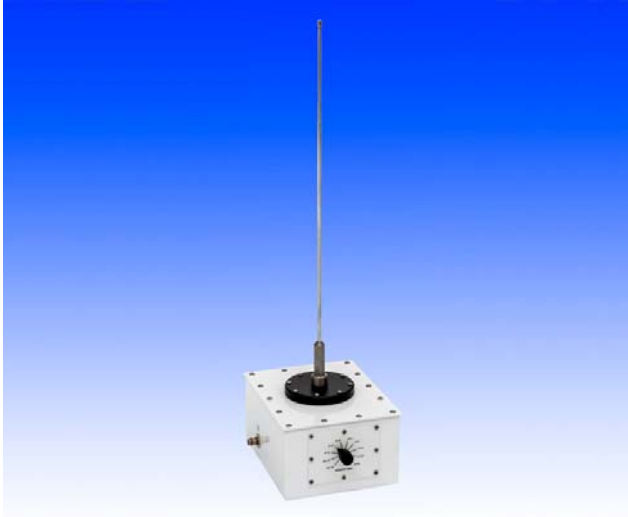


## EM-6894 | Antenna, Vertical



### Description

Electro-Metrics EM-6894 Manual Vertical (Rod) Antenna performs electric field measurements from 9 kHz to 30 MHz. A ten position rotary switch switches in the appropriate matching network for the frequency selected. The EM-6894 can be used with any equivalent 50-ohm receiver/analyzer designed and calibrated for use in a 50-ohm system.

The EM-6894 is used in conjunction with the following accessories:

- EM-6889 Counterpoise
- EM-6136 Tripod
- EM-1312 Coaxial Cable

The bottom of the base has a 5/8 – 20 threaded receptacle for mounting to the EM-3136 Tripod.

### Specifications

#### Electrical

**Frequency Range (calibrated):** 9kHz – 30 MHz

(Antenna Factor chart furnished with antenna.)

**Input Impedance:** Matched to 50 Ohms

**Connector:** Type TNC, female

**NOTE:** Though designed as a receiving antenna, the EM 6894 can be used as a transmitting antenna **PROVIDED** the power applied to the antenna **DOES NOT** exceed 1W maximum.

#### Mechanical

##### Base Dimensions:

**Length:** 232 mm (9.125")

**Width:** 181 mm (7.125")

**Height:** 108 mm (4.25")

**Antenna Rod Length:** 104.1 cm (41")

**Weight:** 3.5 kg (7.5 lbs.)



Ref: 170725

### Applications

The EM-6894 Vertical Antenna uses passive circuits to transform electric field components to voltages between 9 kHz to 30 MHz.

The EM-6894 is used for military EMI-specification compliance testing in accordance with MIL-STD-826A, MIL-STD-461/462, and high voltage power line interference. Calibration data is supplied with each antenna.

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