3303 Monopole Antennas

ETS-Lindgren's Model 3303 Passive Broadband Electric Field Monopole is a transmitting antenna with a frequency range of 1 kHz to 30 MHz.this antenna features manual bandswitching between 0.001 to 5 MHz and 5 to 30 MHz. The maximum power handled by the Model 3303 is 1 kW. The transmitting rod is stainless steel can be adjusted to 100 cm (39.4 in) or 104 cm (41 in). The base is an aluminum housing which contains the bandswitching mechanism and a female Type N connector. The model 3303 also may be used as a passive receiving antenna.

All ETS-Lindgren's rod antennas are designed to provide a high level of efficiency in electric field measurements. Every rod antenna is individually calibrated in accordance with the equivalent capacitive substitution method (ECSM) and IEEE-291 methods using NIST traceable equipment. By knowing the actual antenna factors and performance characteristics of an antenna instead of typical data, you can more accurately calculate the field strength in your tests. Annual recalibration is recommended on rod antennas.

Key Features

- Individually Calibrated
- Switchable Two-band Transformer
- Two Year Warranty

Specifications

Physical Specifications

Base Depth: 7.6 cm (2.99 in)
Base Height: 15.2 cm (5.98 in)
Base Width: 7.6 cm (2.99 in)
Rod Height (Low Range): 100 cm (39.4 in)
Rod Height (Upper Range): 104 cm (41.0 in)
Weight: 1.3 kg (2.87 lb)

Electrical Specifications

Frequency Minimum: 1 kHz
Frequency Maximum: 30 MHz
Connectors: Type N (f)
Impedance (Nominal): 50
Maximum Continuous Power: 300 W
Peak Power: 1 kW
Pattern Type: Omnidirectional
Polarization: Linear

Product Options

Product Configuration

- Antenna Base with Built-in Manual Bandswitching Mechanism
- Monopole Element
- Counterpoise
- Base Drilled to Accept ETS-Lindgren or Other Tripod Mount with Standard 1/4 in x 20 Threads
- Individually calibrated per ECSM or IEEE Std. 291. Actual individual calibration factors and signed Certificate Calibration Conformance included in manual.

- Manual

Charts

Model 3303
Monopole Antenna
Antenna Factor