

ANTENNAS MODEL 6507



MODEL 6507

- Frequency Range: 1 kHz – 30 MHz
- Two Year Warranty
- Individually Calibrated per ANSI C63.5
- Saturation Indicator

ETS-Lindgren's Model 6507 Active Shielded Loop Antenna helps this loop antenna produce good sensitivity and almost constant antenna factors, when testing for EMC applications. The saturation indicator is activated when an incoming signal exceeds the 5 V/m saturation limit of the internal preamplifier. Power for the preamplifier is supplied by rechargeable sealed batteries. Front panel controls and indicators for the preamplifier include a power switch, power-on indicator, saturation indicator, and a receptacle for a battery charger. A switch selectable battery charger for 115 VAC or 230 VAC 50/60 Hz operation is included.

Every loop antenna is individually calibrated in accordance with ANSI C63.5, using NIST traceable equipment. By knowing the actual antenna factors and performance characteristics of an antenna instead of typical data, you can more accurately measure field strength in your tests.

Technical Specifications

Electrical	
Frequency Minimum	1 KHz
Frequency Maximum	30 MHz
Impedance (Nominal)	50
1 dB Comp. Point	10 V/m
Dynamic Range	116 dB at 1 MHz; 76 dB at 10 kHz
Power Required	115/230VAC 50/60 Hz (Switch selectable battery charger)
Sensitivity (Typical)	11 dB (uA/m) at 10 kHz; -29 db (uA/m) at 1 MHz
Connectors	BNC (f)
Pattern Type	Omnidirectional
Polarization	Linear
Physical	
Height	36.53 cm (14.38 in)
Length	9.29 cm (3.66 in)
Width	18.77 cm (7.39 in)
Weight	1.8 kg (3.97 lb)