

LOOPS 6502 Active Shielded Loop Antenna

Frequency Range: 9 kHz - 30 MHz. The Model 6502 is an active receiving loop antenna. A preamplifier is built into the base and provides a 50-ohm output.

The preamplifier helps this loop antenna produce good sensitivity and almost constant antenna factors. 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 the IEEE-291 Section 2.3.1 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 measure field strength in your tests.

Key Features

Two Year Warranty Individually
Calibrated Remote Monitor Option

Saturation Indicator

Specifications

Electrical Specifications

Frequency Minimum 9 kHz
Frequency Maximum 30 MHz
1 dB Comp. Point 5 V/m
Connectors BNC (f)
Dynamic Range 125 dB @ 1 MHz
85dB @ 10 kHz
Impedance (Nominal) 50 Ω
Pattern Type omnidirectional
Polarization linear
Power Required
110/230VAC 50/60Hz
(Switch Selectable Battery Charger)
Sensitivity (Typical)-1 dB(μ A/m) @ 10 kHz
-42 dB(μ A/m) @ 1 MHz

Physical Specifications

Height 67.3 cm (26.50 inches)
Length 12 cm (4.72 inches)
Weight 2 kg (4.41 lb)
Width 19 cm (7.48 inches)

Other Specifications

Antenna/loop assembly

Battery Charger Mounting Bracket drilled accepts an ETS-Lindgren or other tripod mount with standard 1/4 in x 20 threads.