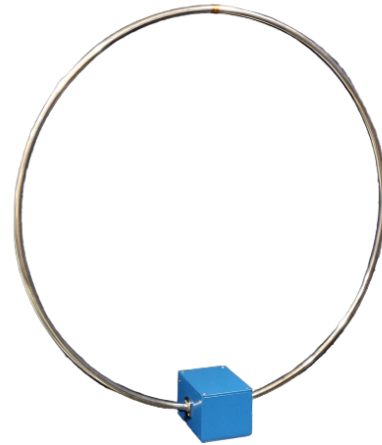


Features

- **Active Loop Antenna for Emissions and SE Testing**
- **Frequency Range : 9 KHz – 30 MHz**
- **Diameter 0.6m**
- **Rugged construction**
- **Electro-statically shielded with Rejection of 20dB**
- **Individual calibration as per ANSI 63.5 / CISPR 16-1-4.**



Description

The AN-MLO-9306A is a 0.6m diameter electro-statically shielded magnetic loop antenna used for shielding effectiveness measurements, emission measurements and other general purpose magnetic field measurements in the (9 KHz – 30 MHz) band.

The antenna consists of a single turn of 14 AWG PVC coated wire along with a specially designed pre amplifier at the antenna output. The active antenna provides a linear dynamic range of more 100 dB @ 100 KHz and 120 dB @ 10 MHz. A built in re-chargeable 9V battery, provides upto 5 hrs of continuous operation.

The antenna base has a drilled / tapped hole for mounting on tripods with ¼" x 20 threads. An additional L adaptor permits mounting the loop in horizontal polarization.

The electrostatic shield of the antenna is made of mild steel for durability and ruggedness.

Specifications*

Model	AN-MLO-9306A
Frequency Range	9 KHz – 30 MHz
Loop Diameter	0.6m
# Turns	1
Wire Type	14 AWG PVC Coated.
Shielding	Electrostatic
Termination	BNC-F 50Ω N-F optional
Size	600 x 640 mm
Weight	1.5 Kg
Environmental	-20°C to +40°C
Mounting	¼" x 20 threads with L adaptor for H pol.
Applications	SE Testing(IEEE 299) Emissions measurement

* Nominal values, subject to change without notice.

Calibration

The antenna is individually calibrated (traceable) inside a TEM Cell. IEC 17025 accredited calibration is available upon request.

Related Products

MAS_FG_03

Modular telescopic non reflective fibre glass mast

Typical Conversion Factors of AN-MLO-9306A Loop Antenna