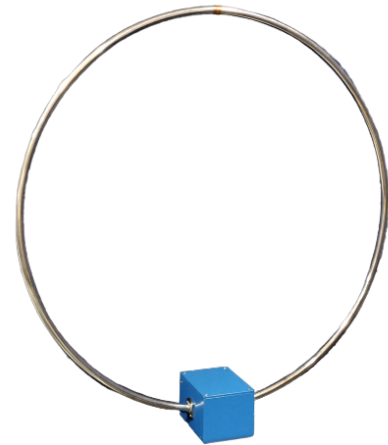


## Features

- **Active Loop Antenna for Emissions and SE Testing**
- **Frequency Range : 9 KHz – 30 MHz**
- **Diameter 0.3m**
- **Rugged construction**
- **Electro-statically shielded with rejection of 20dB**
- **Individual calibration as per ANSI 63.5 / CISPR 16-1-4.**



## Description

The AN-MLO-9303A is a 0.3m 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 / Type	<b>AN-MLO-9303A / Active</b>
Frequency Range	<b>9 KHz – 30 MHz</b>
Loop Diameter	<b>0.3m</b>
# Turns / Wire Type	<b>1 / 14 AWG PVC Coated</b>
Wire Type	<b>14 AWG PVC Coated.</b>
Shielding	<b>Electrostatic</b>
Termination	<b>BNC-F, N-F (opt.)50Ω</b>
Linear Dynamic Range	<b>100 dB @ 100 KHz 120 dB @ 10 MHz</b>
Size / Weight	<b>300 x 328mm/ 1.2 Kg</b>
Battery	<b>9V NiMH, 5 Hrs</b>
Mounting	<b>¼" x 20 threads with L adaptor for H pol.</b>
Applications	<b>SE Testing(IEEE 299) Emissions measurement</b>

\* 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-9303P Loop Antenna**