

## Features

- **Pre-Amplifier for Shielding effectiveness EMC /EMI Testing**
- **Frequency Range: 9KHz – 10 MHz**
- **Gain: 38dB@9KHz-100KHz with flatness within 1.3dB, Roll Off 20dB/decade**
- **Noise Figure 3.2dB**
- **Impedance - 50Ω (Nominal)**
- **VSWR < 1.7**
- **Connectors N Type Female**
- **Max Input Power -20 dBm**



## Description

The AMP-9K10M is a low noise, low power, pre-amplifier with rugged design. It has excellent performance from 9KHz-100KHz with a gain of 38dB. The pre-amplifier has wide bandwidth from 9KHz-10MHz.

The pre-amplifier with 1/4 - 20 Thread, female can also be mounted on an Antenna mast.

The pre-amplifier increases sensitivity at field strength measurements and is specifically designed for extremely sensitive measurements upto 100KHz.

Due to the built-in rechargeable battery, operation without power supply is possible for approx. 8h

The Pre-amplifier has max input power of -20 dBm.

## Specifications\*

Model	<b>AMP 9K10M</b>
Frequency Range	<b>9KHz-10 MHz</b>
Gain	<b>38dB, 9KHz-100KHz with flatness within 1.3dB, Roll Off 20dB /decade</b>
Noise Figure	<b>3.2dB</b>
Impedance	<b>50Ω (Nominal)</b>
Connectors	<b>N Type Female</b>
Power Supply	<b>Using 230V-50Hz adapter with output 12V, 0.3A DC</b>
VSWR	<b>1.7</b>
Dimensions	<b>120x95x58mm</b>
Weight	<b>600g</b>
Applications	<b>Radiated Emissions / Shielding Effectiveness</b>

\* Nominal values, subject to change without notice.

**Typical Gain Chart**