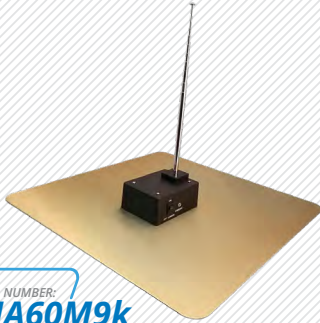


MONOPOLE ANTENNAS

Our Monopole (both active and passive) Antennas provide superior performance in electric field measurements. The Active Monopole Antenna can drive any receiver with 50 ohm input impedance and will perform FCC, MIL-STD and TEMPEST tests. The passive rod is used for transmitting, to perform shielding effectiveness and immunity testing. Click on a model below to learn more about it's characteristics.



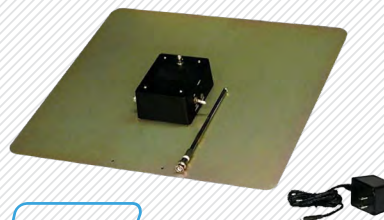
MODEL NUMBER:
AMA60M9k

Active Monopole Antenna
9 KHz - 60 MHz

Active Monopole Antenna is an active, general-purpose, broadband monopole antenna.

The EMC Shop Active Monopole Antenna is an active, general-purpose, receive-only antenna that covers 9 KHz - 60 MHz frequency range. It is ideal for instantaneous bandwidth scanning (without tuning) of electric fields in its frequency range and can drive any receiver with 50-ohm input impedance. This antenna is an ideal solution to perform FCC, MIL-STD and TEMPEST tests.

The AMA60M9k comes with a telescoping rod, ground plane, high impedance matched preamplifier and battery charger. This active monopole 104cm rod antenna has a signal output connector is electrically bonded to the matching network case per MIL-STD 461F.



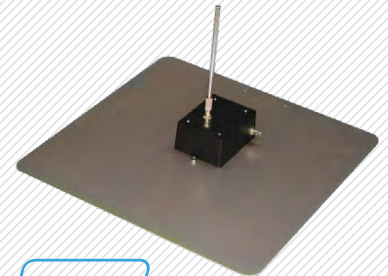
MODEL NUMBER:
AMA60M100H

Active Monopole Antenna
100 Hz - 60 MHz

This Active Monopole provides superior performance for electric field measurements in the lower frequency range.

The EMC Shop Active Monopole Antenna is an active, general-purpose, receive-only antenna that covers 100 Hz - 60 MHz frequency range. It is ideal for instantaneous bandwidth scanning (without tuning) of electric fields in its frequency range and can drive any receiver with 50-ohm input impedance. This antenna is an ideal solution to perform FCC, MIL-STD and TEMPEST tests.

The AMA60M100H comes with a telescoping rod, ground plane, high impedance matched preamplifier and battery charger. This active monopole 104cm rod antenna has a signal output connector is electrically bonded to the matching network case per MIL-STD 461F.



MODEL NUMBER:
PMA40M9k

Passive Monopole Antenna
9 KHz - 40 MHz

Our Passive monopole for transmitting applications covering the frequency range of 9 KHz - 40 MHz.

The EMC Shop Passive Monopole Antenna provides superior performance in electric field measurements.

The Passive Monopole Antenna is used for transmitting to perform shielding effectiveness and immunity testing.

ELECTRICAL

	AMA60M9K	AMA60M100H	PMA40M9K
Frequency Range	9 kHz - 60 MHz	100 Hz - 60 MHz	9 kHz - 40 MHz
Antenna Factor	0 dB	0 dB	
Impedance	50 Ω (output port)	50 Ω	50 Ω
Pattern Type:	omni-directional	omni-directional	omni-directional
Connector	BNC-Type, female	BNC-Type, female	BNC-Type, female
Batteries	12VDC NiMH 2000mAh	—	—
Average Battery Life	16 hours (fully charged new battery)	—	—
Mounting Base	¼-20 Thread, female	¼ - 20 Thread, female	¼ - 20 Thread, female

FEATURES

AMA60M9K	AMA60M100H	PMA40M9K
<ul style="list-style-type: none"> • Frequency Range of 9 KHz to 60 MHz 	<ul style="list-style-type: none"> • Frequency Range of 100 Hz to 60 MHz 	<ul style="list-style-type: none"> • Frequency Range of 9 KHz to 40 MHz
<ul style="list-style-type: none"> • Individually Calibrated (ANSI C63.5, IEEE-291 ECSM) 	<ul style="list-style-type: none"> • Receive 	<ul style="list-style-type: none"> • Receive and Transmit
<ul style="list-style-type: none"> • Battery Powered, High Sensitivity 	<ul style="list-style-type: none"> • Individually Calibrated (ANSI C63.5, IEEE-291 ECSM) 	<ul style="list-style-type: none"> • Individually Calibrated (ANSI C63.5, IEEE-291 ECSM)
<ul style="list-style-type: none"> • Three Year Warranty 	<ul style="list-style-type: none"> • Battery Powered, High Sensitivity 	<ul style="list-style-type: none"> • Three Year Warranty
	<ul style="list-style-type: none"> • Three Year Warranty 	

RECOMMENDED ACCESSORIES

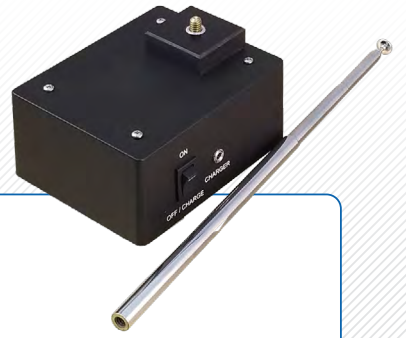
AMA60M9K	AMA60M100H	PMA40M9K
<ul style="list-style-type: none"> • ATU-510 (Antenna Tripod, Wooden) 	<ul style="list-style-type: none"> • ATU-510 (Antenna Tripod, Wooden) 	<ul style="list-style-type: none"> • ATU-510 (Antenna Tripod, Wooden)
<ul style="list-style-type: none"> • AEH-510 (Azimuth and Elevation Head) 	<ul style="list-style-type: none"> • AEH-510 (Azimuth and Elevation Head) 	<ul style="list-style-type: none"> • AEH-510 (Azimuth and Elevation Head)
<ul style="list-style-type: none"> • ECF-10K (Capacitance Calibration Fixture) 	<ul style="list-style-type: none"> • ECF-10K (Capacitance Calibration Fixture) 	<ul style="list-style-type: none"> • P/N: 2236-24 24" x 24" (61 cm x 61 cm) Ground Plane
<ul style="list-style-type: none"> • P/N: 2236-24 24" x 24" (61 cm x 61 cm) Ground Plane 	<ul style="list-style-type: none"> • P/N: 2236-24 24" x 24" (61 cm x 61 cm) Ground Plane 	

PHYSICAL DIMENSIONS

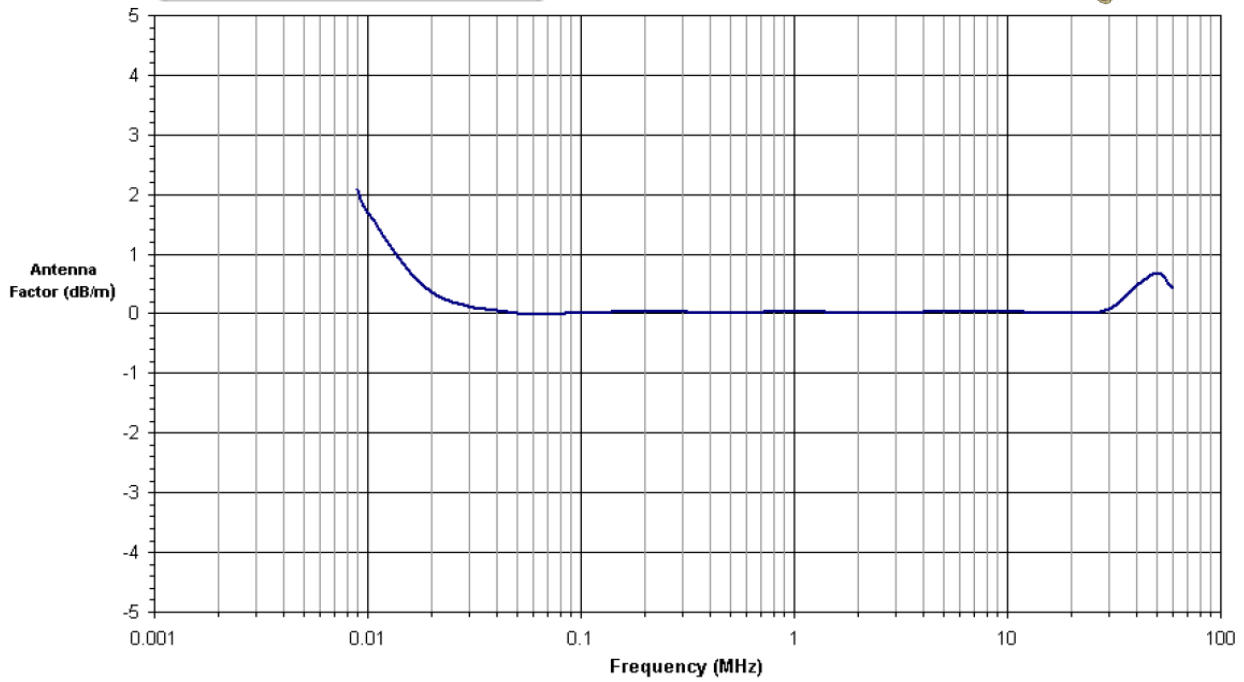
	AMA60M9K	AMA60M100H	PMA40M9K
Ground Plane Dimensions	18 in. X 18 in. (45.7 cm x 45.7 cm) Optional 24" (60cm) is available	18 in. X 18 in. (45.7 cm x 45.7 cm) Optional 24" (60cm) is available	18 in. X 18 in.
Rod Length	8.5 in. - 43 in. (21.6 cm x 109.2 cm)	8.5 in. - 43 in. (21.6 cm x 109.2 cm)	8.5 in. - 43 in.
Weight	4.7 lb.'s (2.13 kg)	4.7 lb.'s (2.13 kg)	3.5 lb.'s



ANTENNA FACTOR *AMA60M9K*



Active Monopole Conversion Formula:
 $\text{dB}\mu\text{V}/\text{m} = \text{dB}\mu\text{V} + \text{AF}(\text{dB}/\text{m}) + \text{cable loss}$



ANTENNA FACTOR *AMA60M100H* / BATTERY POWERED

