

LF Engineering Co.

LF/MF/HF Active Antenna Model MH-920

For GMDSS / NAVTEX / LORAN / DGPS Marine Applications

The MH-920 is a compact broad-band coverage active antenna that effectively covers the longwave mediumwave and shortwave bands (10 kHz - 50 MHz).

One antenna to cover all marine listening requirements for A2/A3/A4 GMDSS, NAVTEX, DGPS, LORAN, AM broadcast, and all HF shortwave listening.

The antenna is omni directional allowing for various installation configurations. The MH-920 has a high desense immunity from RF overload, including VHF/UHF and radar.

Designed with harsh marine requirements in mind, the antenna probe consists of a fully sealed PVC housing with a shrouded base containing a BNC output connection. Standard 1"-14 marine mounts may be used with the MH-920.



Features -

Broad-band coverage from 10 kHz to 50 MHz.

Multiple services: GMDSS, NAVTEX, DGPS, LORAN, AM BC, Shortwave.

Compact design for easy placement. Fully sealed.

High signal handling including extended ESD and RF protection.



Specifications

Antenna Probe	27 inches long, 1 inch dia.
Mounting Thread	1"-14 NPT
Probe Construction	PVC, color white
Coupler Size	4.4" L x 2.3" W x 1.3" H
Operating Frequency	10 kHz to 50 MHz
E Field Sensitivity	-21 dB
Signal Amplifier Gain	12 dB
Third-Order Intercept	>35 dBm
Maximum Linear Output	17 dBm
Output Impedance	50 - 75 ohms
Input/Output Jacks	BNC
Operating Temperature	25°F to +130°F (-30° to 50°C)
Weatherproofing	2 atmospheres (-66 ft)
DC Power (MH-920/DC)	12-15 volt, 60 mA
AC Power (MH-920/AC)	120 VAC / 12 VAC power pack

Coupler / Power Supply with post signal amplifier for additional 12 dB gain.

Standard marine base mounting.

Fully sealed coaxial output with BNC interface.

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Marine Products Data Sheet
HF Active Antenna
Model MH-920 1-06