

## L-202B VLF Preamp

The L-202B fixed tuned amplifier / filter / impedance matcher - designed to improve your receiver or converter's VLF and LF (1750 meters) reception. The second generation "B" version has



increased dynamic range and improved linearity designed specifically for LF receivers and converters with high AM BC intermod or low sensitivity. The

L-202B is designed for use with typical 50 foot SWL wire antennas. External 12 vdc power supply included. Gain: 28 dB, Passband: 10 - 520 kHz., Filter Rejection: >40 dBm in AM BC passband.

**\$ 98.00**

## L-202/PCB & L-111/PCB

**Preamp** circuit board, completely wired and tested with the same specs. as the L-202B.



**\$ 80.00**



**Converter** circuit board, completely wired and tested with the same specs. as the L-111 without E-probe (not included).

**\$ 98.00**

## N-300 Ground Isolator

Designed for isolating ground loops and noise, the N-300 is used between the antenna and receiver. Bandwidth: 10 kHz to 30 MHz. Impedance: 50 ohms.



**\$ 24.00**

## Marine Active Antenna MH-920 LF/MF/HF, GMDSS/NAVTEX

The MH-920 is a broad-band active antenna designed for a spectrum of ship-board marine applications including A2/A3/A4 GMDSS, NAVTEX, DGPS, LORAN, AM BC and general shortwave listening.

The antenna is designed to operate within an RF noisy environment with 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 shrouded 1"-14 threaded mounting base with shielded BNC output.

### Specifications:

Operating Freq: 10 kHz - 50 MHz  
 Max Linear Output: 17 dBm  
 E Field Sensitivity: -15 dBm  
 Weatherproof to 2 atmospheres  
 DC power: 12 - 15 volts



**\$ 299.00**

## L-600S H-Field Loop Receiving System for ELF Natural Radio

Designed with the serious experimenter in mind, the L-600S is an effective receiving system for use in EMI noisy areas, or E-Field dead areas. The directional loop design in combination with the receiver's sharp filtering, greatly reduces unwanted noise and hum. Frequency response: 300 Hz to 10 kHz.



Call for price and availability

For more detailed information contact us at: 860-526-4759 (Sales) or 203-467-3590 (Technical) E-Mail address: sales@lfengineering.com

## LF Engineering Co.

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# LF Engineering Co.

## LF/HF Active Antenna and Communication Products

LF Communications, Natural Radio Research, AM Broadcast, Marine and



2006



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### L-111 LF/VLF Converter & Active Antenna System

The L-111 System provides full (no tuner) coverage of the LF spectrum from 3 kHz to 500 kHz.

The L-111 combines the proven L-400 B active antenna with a newly designed LF to HF converter containing a low impedance, wide dynamic range (120 dB typical) balance mixer, with RF, IF and local oscillator filtering. The converter's high L.O. rejection greatly improves reception below 10 kHz and its sharp roll off filter characteristics eliminate BC intermod. Tuning: 4.0 - 4.5 MHz. Battery or AC operation.



**\$ 220.00**

Specifications:

IF Rejection: 80 dB typical

E Field Sensitivity: +10 dB @ 220 kHz

### H-800 SkyMatch LF/MF/HF Active Antenna

The H-800 is a compact broadband coverage active antenna that effectively covers the Longwave through shortwave bands (10 kHz through 50 MHz). The antenna's active components are housed within a 26 inch fully sealed probe and powered via coaxial feed from a remote coupler interface at the receiver end. Compact and easy to install, the H-800 will operate as an equivalent to a 100+ ft wire antenna and is useful in restricted space areas. Great portable antenna. Supplied with 50 ft of RG-174/U Battery or AC operation.



**\$ 139.00**

Specifications:

Operating Freq: 10 kHz - 50 MHz

E Field Sensitivity: -15 dB

### Proven and reliable LF/MF/HF Standards

Great designs like the L-400B, L-111, M-601C and the H-800, have proven themselves, globally for years - from Arctic regions to desert, with year after year of performance and

### L-400B LF/VLF Active Gain Antenna

The L-400B active antenna is a compact 26 inch long fully sealed antenna designed specifically for receiving within the VLF and LF spectrum. The versatile and proven reliable L-400B may be used with all 50 to 100 ohm input receivers and converters.

The L-400B broadband design enables you to effectively receive the whole LF spectrum from 3 kHz through 530 kHz without the need of a tuner. The L-400B has very high E field sensitivity with the advantage of excellent BC intermodulation rejection with its sharp roll off filter. A proprietary gain amplifier and low pass filter makes the L-400B a compact and totally sealed probe (no whip). The antenna is omnidirectional allowing for various installation configurations and for use as a portable antenna. The L-400B probe is waterproof and UV resistant.



**\$ 159.00**



Specifications:

E Field Sensitivity: +10 dB @ 220 kHz

Internal E-Probe Amplifier Gain: 20 dB

Filter Rejection: -55 dB @ 680 kHz, > -40 dB @ 1 MHz

Weatherproofing: 2 atmospheres

Power: 12-18 vdc (two 9 volt batteries), or 120vac / 12 vdc power pack (included)

### M-601C AM Broadcast Active Antenna

The M-601C is the only outdoor active antenna available for AM broadcast. Proven reliable, and used commercially around the world, the M-601C is considered a standard among professionals as a reliable source antenna for AM BC reception.

The outdoor installed antenna and its active components are fully sealed within a waterproof 26 inch long by 1 inch diameter PVC housing. Operating between 530 and 1705 kHz, the high impedance E field antenna contains a proprietary high gain signal amplifier and high pass filter for reduction of lower frequency interference caused by light dimmers and power lines. The highly sensitive M-601 is an effective antenna for receiving signals within fringe areas where AM signals are weak and where a long wire antenna of equal gain would pickup noise or would not be practical to erect.



The antenna is easily pipe mounted with supplied stainless hardware, and connects easily to your B.C. receiver. The M-601 is supplied with an interface coupler and 50 ft of RG-174/U coaxial cable.



**\$ 179.00**

Specifications:

Operating Frequency: 530 - 1705 kHz

Internal Amplifier Gain: 23 dB power gain

Maximum Input Level: .4 Vrms/meter

Weatherproofing: 2 atmospheres

Power: 12-18 vdc (two 9 volt batteries), or 120vac / 12 vdc power pack (included)

Optional AC-600 Inductive Coupler for wireless coupling to radios with oopstick antennas, \$42.00

