Lubell.com Presents

Lubell LL-1424HP
Underwater Acoustic Transducer
or Underwater Speaker

High-Power Broadband Piezoelectric Underwater speaker for Military, scientific, and marine biology

Comes installed in cage - click pic for view

SPECIFICATIONS

- **PRICE:** USD $9653
- **Frequency Range:** 200Hz - 9kHz
- **SPL:** 197dB/uPa/m @ 600Hz (80V rms applied at cable end)
- **Maximum Voltage:** 80 Vrms
- **Duty Cycle:** 100%/10A, 50%/14A
- **Impedance:** 8 ohms nominal (including AC1424HP xfrm box)
- **Depth Rating:** 6’ - 40’
- **Dimensions:** 16.5” x 16.5” x 16.5”
- **Ducer/Cage Wt:** 61 lbs/air, 33 lbs/water
- **Finish:** 10-mil epoxy on MIL-C-5541 Class 1-A (transducer); 304SS cage
- **Connector:** Seacon XSEE3BCR
- **Cable:** Seacon XSEE3CCP molded to one end of 75 feet 14/3 SO cable (15 lbs)
- **Data:** Guide, TVR, SPL, Z, tabular
- **Included:** Protective cage, AC1424HP bridging xfrm box, 75 foot cable
- **Option:** Add Swagelok SS-400-1-OR ($79)
- **Warranty:** 2 year limited
- **Amplifier:** CDi2000 (USA) or CDi2000-E60 (EU) $1373

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Printable PDF brochure (47KB)
Complete instructions and test data (7.42MB)

DESCRIPTION

The LL-1424HP is a piezoelectric underwater acoustic transducer designed for use in applications including marine biology, sub-bottom profiling, as well as for general military and scientific applications. The LL-1424HP may also be used as an underwater speaker when high power is required.

The LL-1424HP has a useful frequency range of 200Hz-9kHz, a maximum SPL of 197dB/uPa/m @ 600Hz w/80V rms applied, and a nominal impedance of 8 ohms. Because of variation between cast parts, the uniformity of response cannot be guaranteed but is typically +/- 1.5dB from published values. The LL1424HP is provided with an AC1424HP bridging transformer box allowing connection to amplifiers up to 2500 watts at 4 ohms bridged mono.

The LL-1424HP is built to withstand ocean environments by virtue of its 10 mil epoxy finish and cage mounting system. The LL-1424HP is fitted with a Seacon bulkhead connector and includes a mating 75 foot Seacon cable.