

Binary Acoustic Technology

Digital Acoustic Processing

www.binaryacoustictech.com

AR125 Ultrasonic Receiver

Product description:

The AR125 is a professional quality ultrasonic receiver that is designed for ultrasonic recording and acoustic analysis. It employs a directional, wide bandwidth ultrasonic element along with ultrasonic to digital conversion technology to produce a high quality, digitally sampled, acoustic stream that is injected directly into a laptop or lab computer for recording, and analysis.

The AR125 is specifically designed for applications such as bat recording and vocalization analysis where directivity and a wide ultrasonic frequency range are desired. It employs low noise circuitry along with 16-bit digital converters to achieve high sensitivity along with a large dynamic range. It is sensitive enough to detect the faintest sound a human can hear (0 dB SPL) and it is capable of detecting bats at a distances up to several hundred feet.



Specifications:

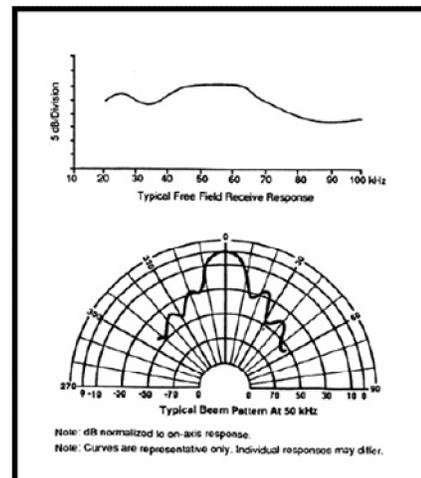
Frequency Range : 1 to 125 KHz

Dynamic Range : > 90 dB (Full BW)
> 96 dB (Audio BW)

Range Limits (SPL +/- 3 dB) :
Max : 90 dB
Min : 0 dB (Full) / -6 dB (audio)

Interface: USB 2.0

Output Format : 16-bit offset binary



Contact information:

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Frequency Response
and
Beam Pattern