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**Acoustic, Vibration, and
EMI Isolation Specialists**

AEK-2002

Overview

The AEK-2002 is a field-tested and optimized acoustic enclosure, designed to protect sensitive instruments from disruptive acoustic noise. The AEK-2002 is easy to customize and upgrade for individual applications, helping users achieve more from their research by delivering application-specific acoustic isolation solutions.

Used by hundreds of researchers worldwide, the AEK-2002 and continues to be the preferred solution when research instruments require a quiet operating environment.



Product Highlights

- Designed to protect the most sensitive research instruments in the noisiest environments
- Multi-layered, variable-density acoustic damping material
- Broadband acoustic isolation (50 - 5,000 Hz) up to 45 dB
- Performance, accessibility, usability upgrades available
- 100% enclosure customization for end users and OEMs

Applications

- Atomic Force Microscopy
- Scanning Probe Microscopy
- High Precision Metrology
- Product Testing
- Precision Microscopy
- And More!

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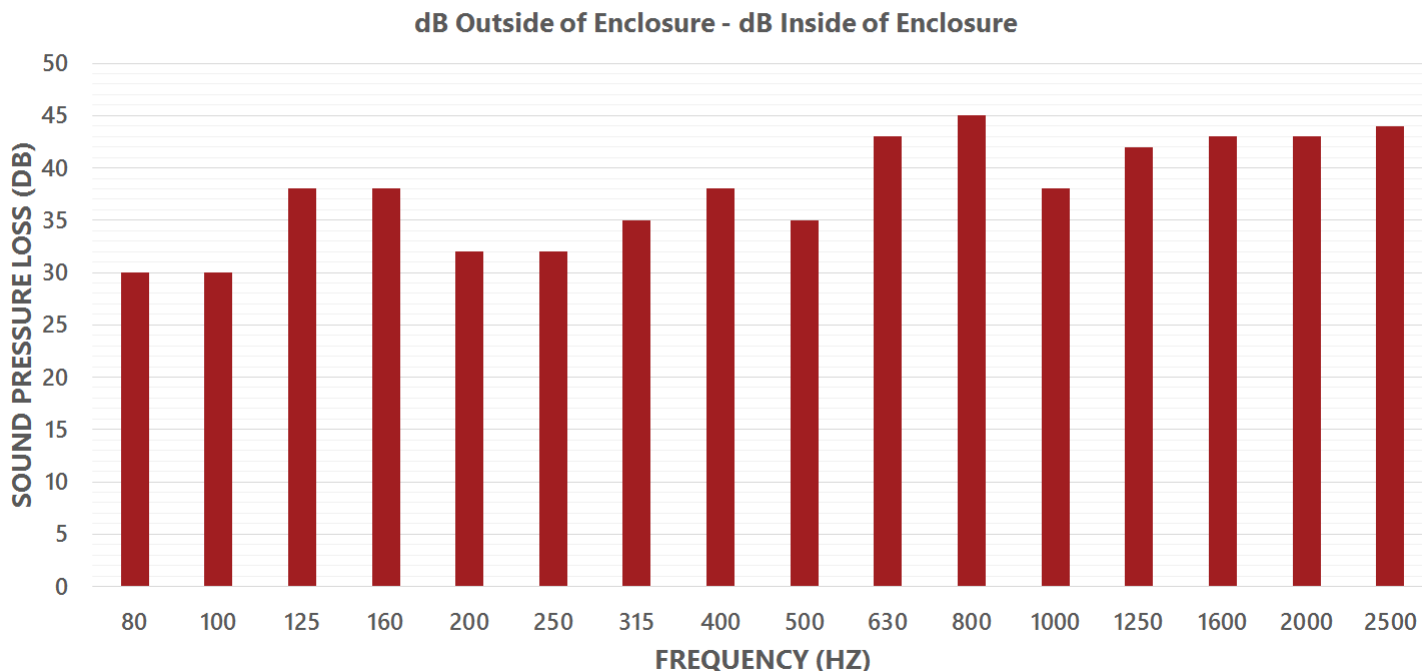


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Performance

The multi-layered, variable density material lining the walls of the AEK-2002 allow for high performance acoustic isolation across a broad frequency spectrum.

ACOUSTIC ISOLATION PERFORMANCE



Performance Highlights

- 30 dB of sound loss at 100 Hz
- 32 dB of sound loss at 250 Hz
- 35 dB of sound loss at 500 Hz
- 38 dB of sound loss at 1,000 Hz
- 42 dB of sound loss at 1,500 Hz
- 43 dB of sound loss at 2,000 Hz

AEK-2002 DIMENSIONS

Dimension	Width		Depth		Height	
	inches	mm	inches	mm	inches	mm
Internal Dimensions	25.6	650.2	28.8	731.5	24	609.6
External Dimensions	32.1	815.3	34.6	878.8	55.3	1,404.6

Selection Guide Tip

When determining the enclosure suitable for your application, verify the dimensions of the application equipment do not exceed the internal dimensions of the enclosure. There are many standard enclosure sizes (with custom enclosures also available), allowing any application to be supported.



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