

High Performance Acoustic Enclosure



Product description

Now a day, exploring the high resolution measure technology in nanometer world has acquired precise data. Enter to the max depth construction level, therefore , pay much attention to the state of the environment. In another word, even a light breath will affect the result of these high technology measurement. Hence, users would like to put the measure equipments into a protective device which can let all the data safely reserve.

The High Performance Acoustic Enclosure has many effective damping materials which are manufacture by noise demission experts. The test data show that the acoustic enclosure outside noise level of 108.4dB (A), the internal of acoustic enclosure can still be maintained at 51.7 dB (A), the noise levels above the effective separation of 50dB (A), effective separation of the frequency range 63 ~ 8kHz. The acoustic enclosure demission series and electromagnetic shielding series arrange In pairs with anti-vibration system can reach the best effect.

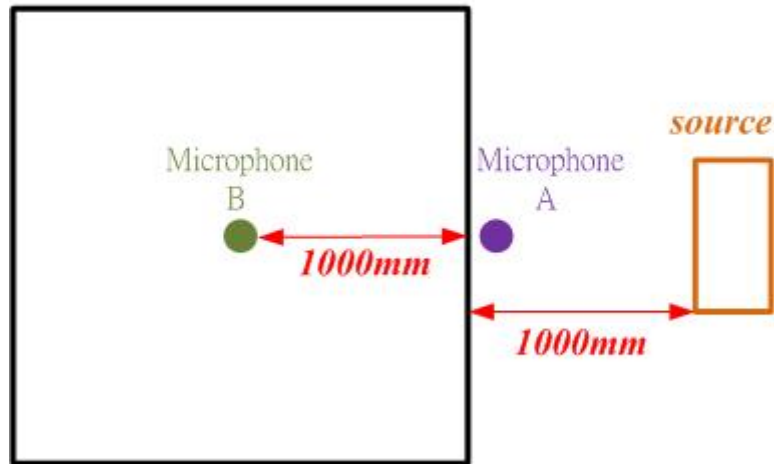
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Acoustic Enclosure



Schematic of acoustic enclosure test

Test data

	63Hz	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz		total
Microphone A	66.1	80.8	88.1	91.9	99.4	104.8	100.8	99		108.4
Microphone B	45	51	51.5	49	45.9	43.8	40.8	34.5		51.7
Isolation rate	21.1	29.8	36.6	42.9	53.5	61	60	64.5		56.7
Background	61.5	62.3	60.3	71.9	63.7	60.4	54.6	52.4		71

Unit : dB(A)

Applications

- ◆ Scanning probe microscope
- ◆ Scanning near optics microscope
- ◆ Nanometer hardness log
- ◆ Nano Lithography
- ◆ Laser scanning confocal microsc

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