

# OBO Pro.2 AC800 Anechoic Chamber

## Introduction :

This chamber provides a reliable and stable test environment for speakers, microphones, earphones, Mobile-phone and Notebook. It also provides I/O control port to automate plug/unplug audio jack.

This is manual opening and closing for R&D engineering development.



## Features:

- High isolation against background noise.
- Uniform sound field across the measurement plane.
- Sound Isolation Ability: >30dB(A-Weighting) SPL ref. 20uPa
- Can contain under 17" tablet.
- Customization Fixture

## Specification:

|                          |                                   |
|--------------------------|-----------------------------------|
| Outside Dimension:       | L:935mm * W:910mm * H:590mm       |
| Inside Dimension:        | L:650mm * W: 650mm * H: 380mm     |
| Net Weight:              | ~ 85Kg                            |
| Construction:            | Aluminum                          |
| Power Request:           | 110~220 VAC / 50~60Hz             |
| Sound Isolation Ability: | >30dB(A-Weighting) SPL ref. 20uPa |
| Operating Working Space: | ~ 1000mm (L) X 1000mm (W)         |

# Test and Measurements Report

## 測量報告

Report No.

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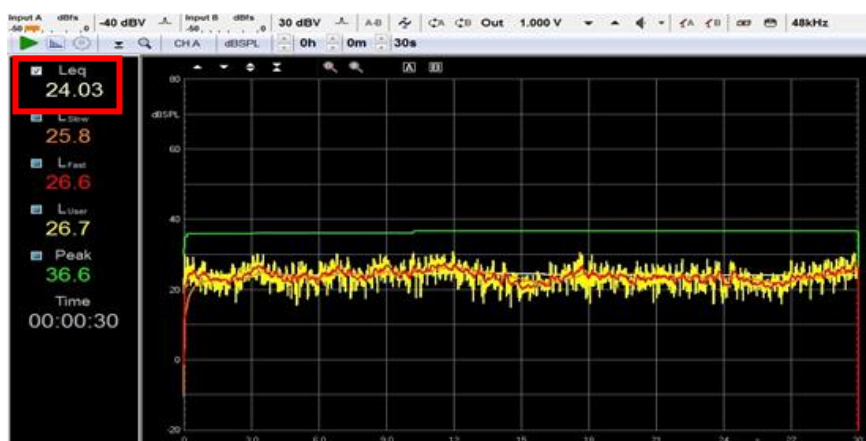
1. Purpose: Measure the chamber specification

2. Specification:

|                                      |                                    |
|--------------------------------------|------------------------------------|
| 2.1 Background Noise(Ouside ≤50 dBA) | ≈ <b>25 dBA</b>                    |
| 2.2 Acoustical Isolation Ability     | ≥ <b>30 dBA</b>                    |
| 2.3 Chamber Outside Size             | <b>D:935mm * W:910mm * H:590mm</b> |
| 2.4 Chamber Inside Size              | <b>D:650mm * W:650mm * H:380mm</b> |

3. Measurement Item:

3.1 (1)Anechoic Chamber Inside Noise dBSPL re. 20uPa, (A-weighting) ≥ **24.03** dBSPL(A-weighting)



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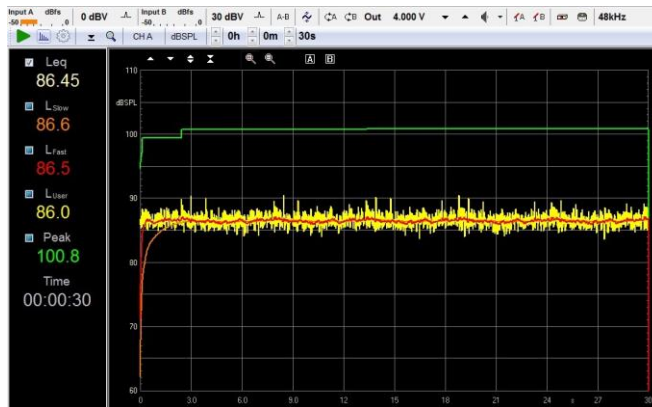
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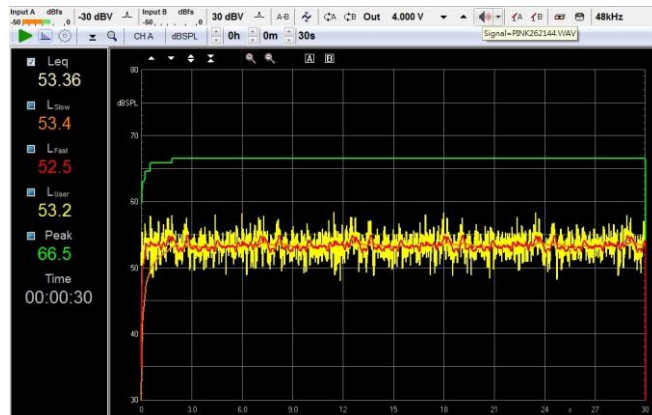
### 3.2 Acoustical Isolation Ability

$$86.45 \text{ dB} - 53.36 \text{ dBA} = 33.09 \text{ dBA} \geq 30 \text{ dBA}$$

#### A. Reference Sound Source Pink Noise Spectrum Level **86.45 dB**



#### B. Close Door Inside Background Noise Level **53.36 dBA**



#### C. 1/3 Octave pure tone isolation ability

