



CRY7413 Acoustic Test Chamber

Features

- **Excellent sound absorbing lining, meeting the audio testing requirements for most wearable products:**
 - 100 Hz~300 Hz: > 20 dB
 - 300 Hz~600 Hz: > 25 dB
 - 600 Hz~1000 Hz: > 30 dB
 - Above 1000 Hz: > 40 dB
- **Extensive and versatile communication interfaces available.**
- **Provides consistent testing and reliable data.**
- **Easy open/close design for quick and safe changes of the Device Under Test (DUT).**

Introduction

The CRY7413 Acoustic Chamber provides a quiet environment in a compact space, enabling the testing of acoustic devices without the complexity of a full-scale acoustic test chamber. Its easy open/close design allows for quick and effortless exchange of the Device Under Test (DUT), reducing physical strain on the operator. The chamber features a marked and flexible test jig that accommodates different DUT sizes and simplifies the duplication of test setups across multiple chambers.

The standard configuration comes equipped with all the essential accessories for immediate audio response testing. A variety of optional features are available, enabling you to customize the chamber to meet your specific testing requirements.

Highlights

- **Sound Absorbing Lining**

Acoustic Chamber features a 40 mm foam lining that is essential for superior sound absorption. This high-quality foam minimizes noise reflections and external noise, ensuring a controlled and quiet environment for accurate acoustic measurements. The foam's effectiveness across a wide range of frequencies enhances the precision and repeatability of test results, making it ideal for various acoustic testing applications.
- **Noise Floor**

Acoustic Chamber ensures a low noise floor level of less than 40 dBA, even when external noise is as high as 80 dBA. This feature provides a quiet and controlled environment for precise acoustic testing, effectively minimizing the impact of ambient noise on measurements.
- **Abundant and Optional Communication Interfaces**

Acoustic Chamber offers abundant and versatile communication interfaces, providing flexibility to meet various testing requirements. The chamber can support a maximum of six independent connector panels, which can be combined and selected according to customer needs.
- **RF Shielding**

This high level of isolation effectively blocks external RF interference, ensuring a clean and stable testing environment. Such performance is crucial for precise measurements and testing of acoustic devices, as any external RF noise can adversely affect the results.

Specification

Technical drawings of the 500x500x150 mm safe. The left drawing shows the front view with a vertical dimension of 500 mm. The right drawing shows the side view with a horizontal dimension of 500 mm. Both views illustrate the internal compartments and the heavy-duty locking mechanism on the right door.

Shielding

Filter Interface

