



CRY3721-S01

IEC 60318-4, Ultra Low-noise, Full-frequency Ear Simulator Set

Features

- **Key Specifications**

Sensitivity	631 mV/Pa
Dynamic Range	9 dBA to 110 dB
Frequency Range	20 Hz to 20kHz

- **Applications**

Earphone acoustic test
In-ear headphones measurements

- **Standards**

IEC 60318-4 Electroacoustics – Simulators of human head and ear – Part 4
ITU-T P.57 (08/96)

- **Components**

CRY3721 Ear Simulator
CRY575L Two-channel Microphone Power Supply
CRY515 1/2" Preamplifier

Introduction

CRY3721-S01 is a simulation ear set with ultra-low noise and a full frequency range, specifically designed for measurements on high-quality modern headphones and in-ear headphones.

The unique design of CRY3721-S01 provides an ultra-low self-noise of 9 dBA and enables acoustic testing across the full frequency range of 20 Hz to 20kHz. It is designed to deliver high-quality and accurate measurements for acoustic testing of products such as in-ear headphones.

Highlights

- **Use of Ear Simulator Set Compliant with IEC 60318-4**

The IEC 60318-4 standard describes a closed-ear simulator. This closed-ear simulator is used to measure air-conduction hearing aids and headphones coupled to the ear through ear inserts (such as earmolds or similar devices).

- **Calibration**

Each CRY SOUND ear simulator set is calibrated at the factory using traceable calibration equipment. Calibration certificates are provided with each unit. CRY SOUND recommends recalibration at least once a year.

- **Quality & Warranty**

All CRY SOUND ear simulator sets are primarily made of stainless steel, which offers high corrosion resistance, durability, and the ability to withstand high pressure and temperature.

CRY SOUND ear simulator sets are supported by a 10-year warranty—offering one of the best service guarantee in the world.

Technical Specifications

Specifications

Sensitivity(± 2 dB)	631 mV/Pa, -4 dB re 1V/Pa
Frequency Response	20 Hz to 20 kHz
Dynamic Range	9 dBA to 110 dB (re.20uPa)
CRY575L Interface Type	DB9 (Input) BNC (Output)
Weight	97 g

Frequency Response

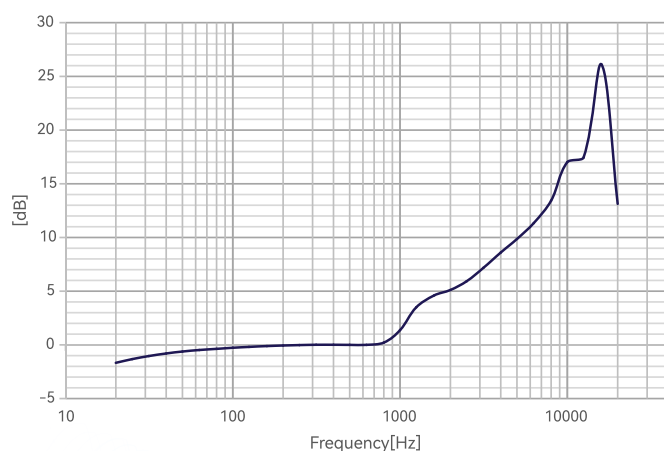


Fig.1 CRY3721-S01 Ear Simulator Set Typical Frequency Response

Dimensions

Height	107 mm (4.213")
Diameter	23.77 mm (0.936")

Drawings(mm)[inch]

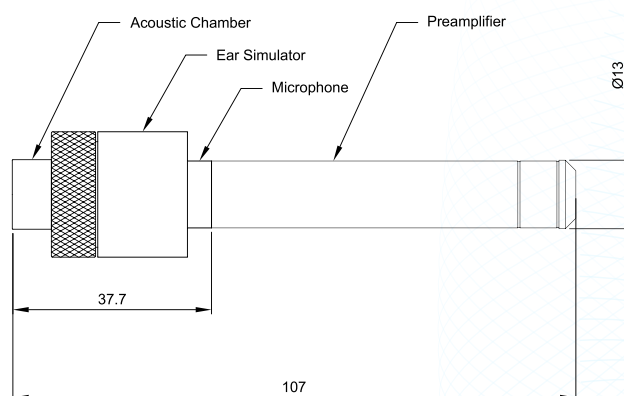


Fig.2 CRY3721-S01 Ear Simulator Set Drawings

Ordering Information

Consisting of

Ear Simulator	CRY3721 Ear Simulator
Power Supply	CRY575L Two-channel Microphone Power Supply
Preamplifier	CRY515 1/2" Preamplifier
Cable	BL5008 aircraft 4-core bending connector to DB9 / 1.6m
Accessories	Coupler Chamber Accessories

Optional Accessories

Electroacoustic Analyzer	CRY6151B Electroacoustic Analyzer
--------------------------	-----------------------------------

Related Products

CRY3711-S01	IEC 60318-4 Insert earphones Measurement Occluded-ear simulator set
CRY3717-S01	IEC 60318-4 Supra-aural Audiometry Earphone Measurement 6cc Coupler Set
CRY3718-S01	IEC 60318-1 Supra-aural and Circumaural Earphone Measurement Ear Simulator Set
CRY3719-S01	IEC 60318-5 Hearing Aids and in-ear headphones Measurement 2cc Coupler Set