

# CRY3718

## IEC 60318-1 Supra-aural and Circumaural Earphone Measurement Ear Simulator

### Features

- **Key Specifications**

Frequency Range      100 Hz to 4kHz  $\pm 1$  dB

- **Applications**

Telephone receiver test  
Supra - aural headphones measurements  
Circumaural earphones measurements

- **Standards**

IEC 60318-1 Electroacoustics - Simulators of human head and ear - Part 1  
ITU-T P.57 Type 1

### Introduction

The CRY3718 is a simulated ear specifically designed for audiology and related measurement applications.

With its unique design, the CRY3718 enables precise electroacoustic measurements of telephone receivers or headphones in a clear acoustic environment. It is widely used in the R&D and testing of headphones, speakers, and related fields.

### Highlights

- **Use of Ear Simulator Compliant with IEC 60318-1**

IEC 60318-1 specifies an ear simulator for measuring supra-aural and circumaural headphones without acoustic leakage in the frequency range from 20 Hz to 10 kHz.

- **Compatibility**

CRY3718 is compatible with 1/2-inch pressure field measurement microphones (such as CRY3202) and is used by connecting to CRY series testers (such as CRY6151B electroacoustic analyzer) through a preamplifier (such as CRY3521)

- **Calibration**

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

CRY SOUND ear simulators enjoy a one-year warranty period. We will provide users with comprehensive after-sales support services.

Technical Specifications

Specifications

Frequency Response	100Hz to 4kHz ±1 dB (simulate human ear impedance) 20 Hz to 16kHz (coupling cavity use)
Weight	147g

Dimensions

Height	19.6mm(0.775")
Diameter	60mm(2.36")

Drawings(mm)[inch]

Frequency Response

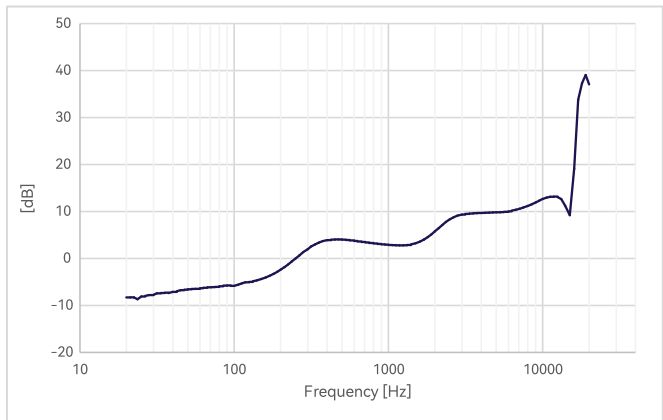


Fig.1 CRY3718 Ear Simulator Frequency Response

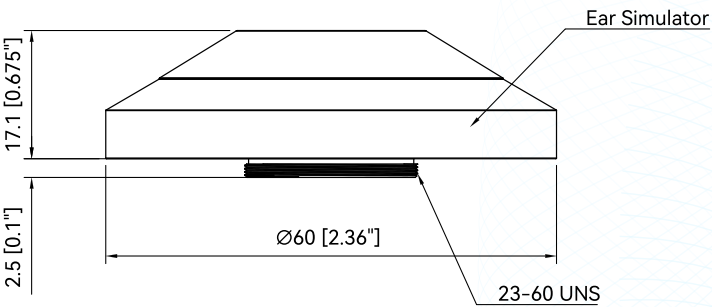


Fig.1 CRY3718 Ear Simulator Drawings

Ordering Information

Ear Simulator Set	Ear Simulator	Microphone	Preamplifier
CRY3718-S01 Ear Simulator Set	CRY3718 Ear Simulator	CRY3202 Microphone	CRY3521 Preamplifier (Base-type)
CRY3718-S02 Ear Simulator Set	CRY3718 Ear Simulator	CRY3202 Microphone	CRY506 Preamplifier
CRY3718-S06 Ear Simulator Set	CRY3718 Ear Simulator	CRY332 Microphone	CRY502B Preamplifier

