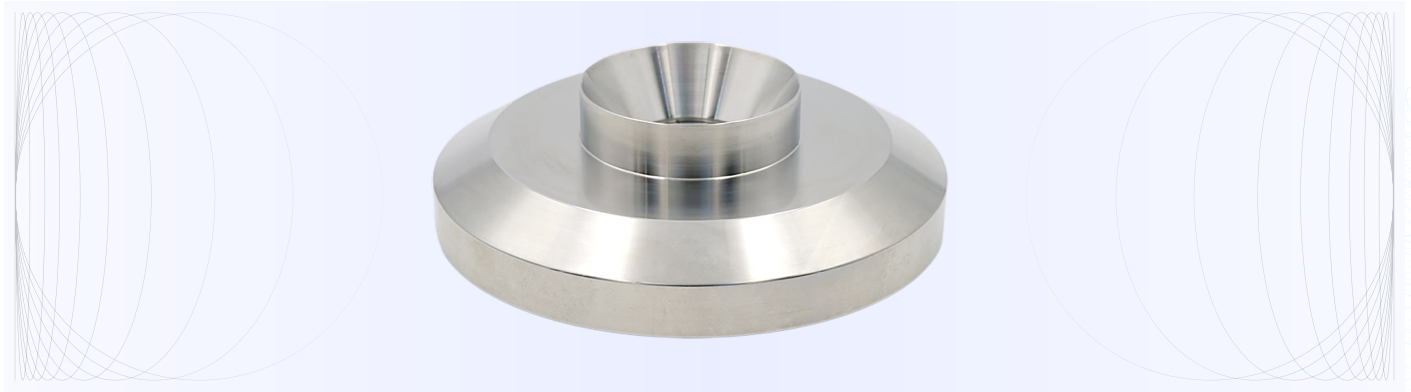




CRY3718

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

Features

- **Key Specifications**

Frequency Range	100 Hz to 4kHz ± 1 dB (Simulated human ear impedance) 20 Hz to 16kHz (Coupling cavity use)
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- **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

CRY3718 is a simulation ear specifically designed for measurements in audiology and related fields.

The unique design of CRY3718 enables it to carry out electroacoustic measurements of telephone receivers or headsets in a clear acoustic environment. It is widely utilized in research and development within the fields of headphones, hearing assistance devices, and other related areas.

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 are supported by a 10-year warranty—offering one of the best service guarantee in the world.

Technical Specifications

Specifications

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

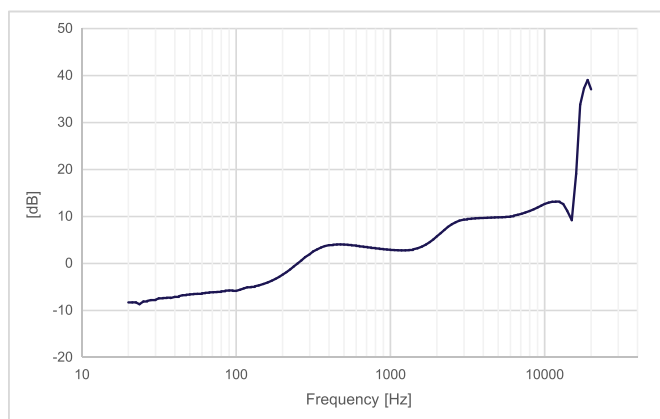


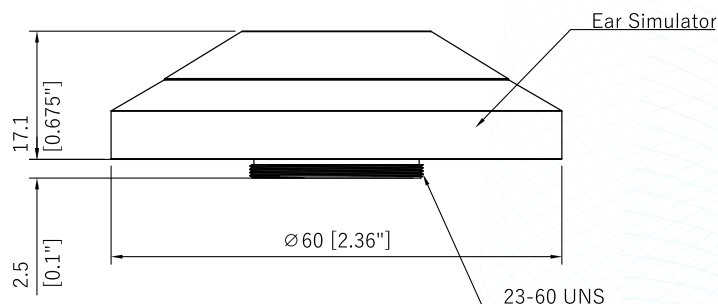
Fig.1 CRY3718 Ear Simulator+CRY3202 Microphone+CRY3521 Preamplifier
Frequency Response

Dimensions

Height	19.6 mm (0.772")
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Diameter	60.0 mm (2.362")
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Drawings(mm)[inch]



Ordering Information

Optional Accessories

Microphone Cartridges	CRY3202 1/2" Pressure-field Prepolarized Microphone
Preamplifier	CRY3521 1/2" BNC Interface
Electroacoustic Analyzer	CRY6151B Electroacoustic Analyzer
Power Supply	CRY575 Three-channel Microphone Power Supply
Cable	BL5001 BNC to BNC Cable /1.6m BL5001 BNC to BNC Cable /1.0m BL5001 BNC to BNC Cable /3.2m BL5001 BNC to BNC Cable /5.0m

Related Products

CRY3711	IEC 60318-4 Insert earphones Measurement Occluded-ear simulator
CRY3717	IEC 60318-3 Supra-aural Audiometry Earphone Calibration 6cc Coupler
CRY3719	IEC 60318-5 Hearing Aids and in-ear headphones Measurement 2cc Coupler
CRY3721	IEC 60318-4, Ultra Low-noise, Full- frequency Ear Simulator