



# CRY3717

## IEC 60318-3 Supra-aural Audiometry Earphone Calibration 6cc Coupler

### Features

- **Key Specifications**

Frequency Range	100Hz to 8 kHz $\pm 2$ dB
Equivalent Volume	6cc

- **Applications**

Supra-aural Audiometry Earphone Calibration  
Electroacoustic measurements of headphones and  
audiometers

- **Standards**

IEC 60318-3 Electroacoustics – Simulators of human head  
and ear – Part 3  
GB/T 25498.3

### Introduction

CRY3717 is a 6cc coupler specifically designed for acoustic testing of circumaural headphones.

The unique design of CRY3717 allows for electroacoustic measurements of headphones and audiometers, providing a relatively standard and reproducible testing environment to ensure product quality.

### Highlights

- **Use of Coupler Compliant with IEC 60318-3**

IEC 60318-3 specifies an acoustic coupler for the measurement of supra-aural audiometric earphones in the frequency range from 125 Hz to 8,000 Hz. The acoustic coupler can be used as an objective and reproducible means for measuring the output of supra-aural earphones. It can also be used for specifying reference equivalent threshold sound pressure levels to facilitate the calibration of audiometers.

- **Compatibility**

CRY3717 coupler can be compatible with 1" pressure-field measurement microphones, such as CRY3102 and other brands measurement microphones.

- **Calibration**

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

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

## Technical Specifications

### Specifications

Resonance Frequency	13.2 kHz $\pm$ 1.5 kHz
Frequency Range	100 Hz to 8 kHz $\pm$ 2 dB
Equivalent Volume	6 cc (6 cm <sup>3</sup> )
Weight	355 g

### Frequency Response

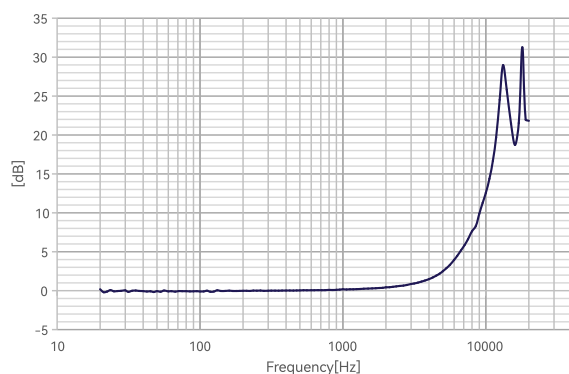


Fig.1 CRY3717 Coupler + CRY3102 Microphone + CRY508C Preamplifier  
Frequency Response

### Dimensions

Height	30.5mm (1.2")
Diameter	60mm (2.36")

### Drawings(mm)[inch]

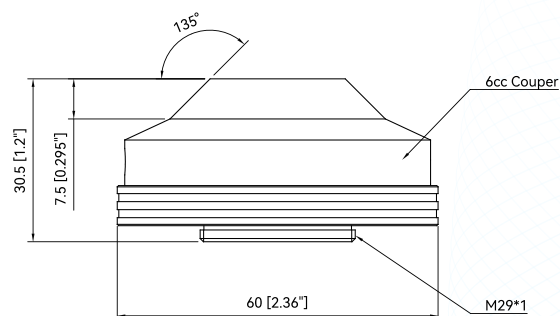


Fig.2 CRY3717 Coupler Drawings

## Ordering Information

### Optional Accessories

Measurement Microphone	CRY3102 1" Pressure-field Prepolarized Microphone
Preamplifier	CRY508C 1" IEPE Preamplifier
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
CRY3718	IEC 60318-1 Supra-aural and Circum-aural Earphone Measurement Ear Simulator
CRY3719	IEC 60318-5 Hearing Aids and in-ear headphones Measurement 2cc Coupler
CRY3721	IEC 60318-4, Ultra Low-noise, Full- frequency Ear Simulator