CRY3611

Low-fequency Enhanced Reference Sound Source

Features

- **Key Specifications**

Output SPL	94dB (After compensation)
THD	<1%, Typical<0.5%
(94dB,25mmMRP)	(200 Hz to 10 KHz)

- **Applications**

  ANC / ENC Testing
  Microphone Array Acoustic Parameter Testing
  Far-field reference sound source

- **Standards**

  IEEE 269 Standard for Measuring Electroacoustic Performance of Communication Devices
  IEEE 661 Standard Method for Determining Objective Loudness Ratings of Telephone Connections

Introduction

The CRY3611 reference sound source is a low-frequency enhanced reference sound source and can be applied to electroacoustic tests with high requirements for low-frequency testing, such as ANC testing and ENC testing.

The CRY3611 can also be used as a far-field reference sound source to simulate human mouth and environmental noise and test acoustic parameters such as frequency response and total harmonic distortion.

Highlights

- **Use of Low-frequency Enhanced Reference Sound Source**

  The low-frequency enhanced reference sound source is specially designed and optimized. For occasions that require accurate measurement of low-frequency sounds such as acoustic laboratories and architectural acoustic design, it can provide more accurate low-frequency sound signals and improve measurement accuracy.

- **Calibration**

  Each CRYSOUND reference sound source is calibrated at the factory using traceable calibration equipment. Calibration certificates are provided with each unit. CRYSOUND recommends recalibration at least once a year.

- **Quality & Warranty**

  CRY3611 reference sound source is manufactured with high quality manufacturing materials with good stability and stability robustness.

  CRYSOUND reference sound source enjoys a one-year warranty period. We will provide users with comprehensive after-sales support services.

Technical Specifications

Specifications

Output Sound Pressure (After compensation)	94 dB ±0.2 dB (100 Hz to 15 kHz)
THD (94dB,25mmMRP)	<1%, Typical<0.5% (200 Hz to 10 KHz)
Impedance	8 ohm±15%@350hz
Continuous Maximum Power	45W
Loudspeaker diameter	6.5‘’
Interface Type	BNC
Size(mm)	300(H)×240(L)×120(W)

Frequency Response

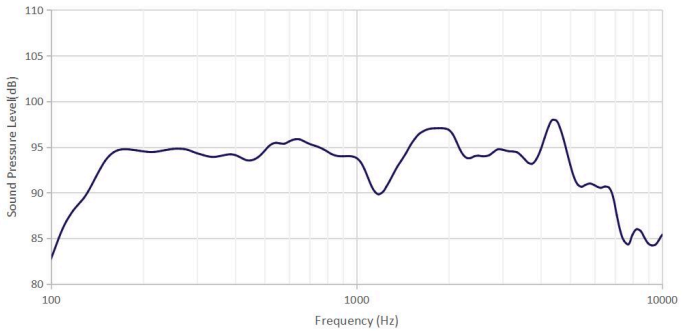

Fig.1 CRY3611 Typical Frequency Response (94dB, 100mm)

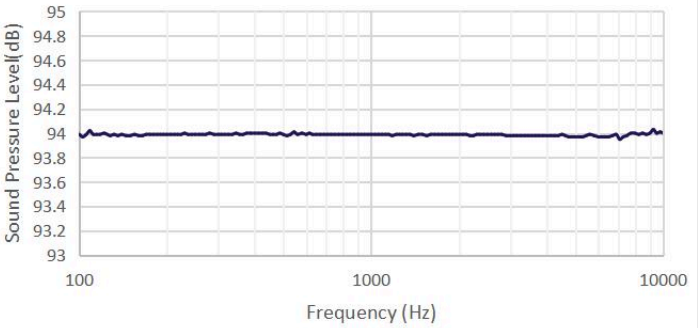

Fig.2 CRY3611 Typical Frequency Response at 94dB after compensation

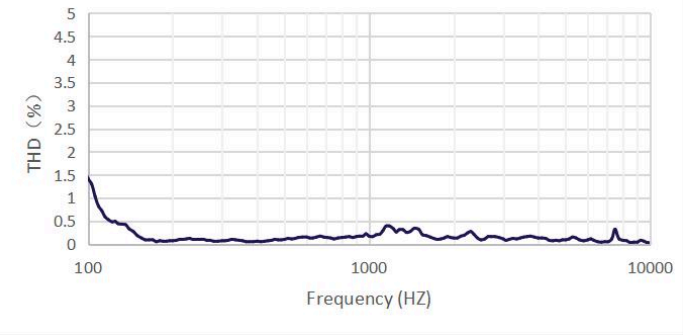

Fig.3 CRY3611 Distortion at 94dB after compensation

Ordering Information

Optional Accessories

Electroacoustic Analyzer	CRY6151B Electroacoustic Analyzer
Cable	BL5001 BNC to BNC Cable /1.6m

Related Products

CRY3602	Mouth Simulator with built-in 20w power amplifier
CRY3603	Hifh-frequency Mouth Simulator
CRY3605	Low Distortion Mouth Simulator