

CRY344-CRY547 High Sound Pressure Measurement Microphone Set



Product Introduction

CRY344 measurement microphone is a pre-polarized 1/4-inch pressure-field condenser microphone. The microphones are made of high-quality materials and Titanium membrane, this will ensure its perfect corrosion resistance and keep robustness from other kinds of environmental interference. Laser welding process provides a life-long stability in different temperature and humidity. CRY344 is designed for extreme high sound pressure level measurements. The maximum input level can reach 175dB. To ensure its performance, the membrane need some special structure design and use new materials.

CRY575 IEPE pre-amplifier is using ICP power supply. This preamplifier has the characteristic of high input impedance, low output impedance, lower noise, wide frequency response range, etc. It can be used for the condition of electroacoustic test system or multi-noise analysis.

Standard

- ✓ Compatible with IEC 61094-4:1995 Measurement Microphones Part 4: Specifications for Working Standard Microphones
- ✓ Compatible with GB/T 20441.4-2006 Measurement Microphones Part 4: Specifications for Working Standard Microphones
- ✓ Specially design to measure up to 175dB sound pressure level

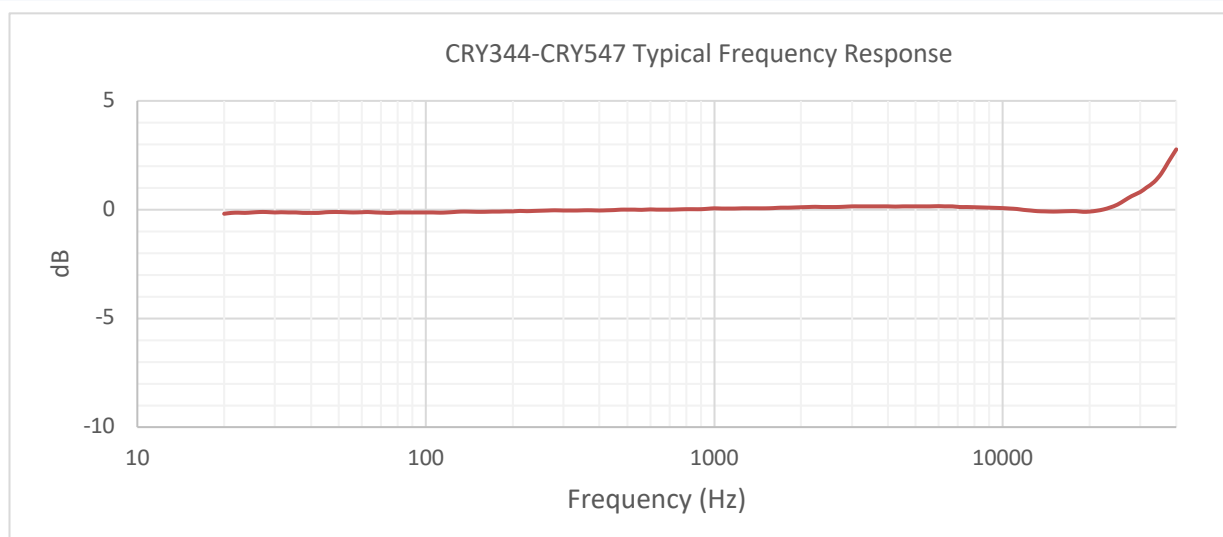
CRY344 Specification

| CRY344 Measurement Microphone | |
|----------------------------------|-----------------------------|
| Field Type | Pressure Field |
| Sensitivity mV/Pa (dBV/Pa) | 0.56mV(-65dB) \pm 3dB |
| Frequency Response (dB) | 10Hz-20kHz \pm 2dB |
| Polarity Voltage (V) | 0V (Pre-polarized) |
| Typical Capacitance (pF, @250Hz) | 7pF |
| Linearity Range (Ref. 20uPa) | 60dBA-175dB |
| Dynamic Range (Ref. 20uPa) | \geq 175dB (THD < 3%) |
| Inherent Noise (Ref. 20uPa) | \leq 60dBA |
| Working Temperature | -30C° to +80C° |
| Temperature Coefficient | 0.015dB/C° (-10C° to +50C°) |
| Static Pressure Coefficient | -0.01dB/kPa |
| Relative Humidity Range | 0 - 90% no condensation |
| Microphone Venting | Side |
| IEC 61094-4 Compliance | WS3P |

CRY344 Mechanical Size

| | |
|-----------------------------|--------------|
| Height (With boot cap) | 10.5mm |
| Diameter (With boot cap) | 7mm |
| Height (Without boot cap) | 9mm |
| Diameter (Without boot cap) | 6.35mm |
| Boot Cap Screw | 6.35mm-60UNS |

CRY344-CRY547 Frequency Response



CRY344-547 Mechanical Size

