



CRY3542

1/4", IEPE Microphone Preamplifier with SMB Connector and TEDS, Short

Features

- **Key Specifications**

Frequency Range	3 Hz to 200 kHz (± 0.2 dB)
Power Supply	IEPE(2mA ~ 20mA)
Max Output Voltage	>7.0Vp

- **Applications**

For use with prepolarized condenser microphones

Introduction

The CRY3542 is a general purpose measurement microphone preamplifier that can be used with all prepolarized condenser microphones.

CRY3542 converts high input impedance to low output impedance, allowing the use of longer extension cables; The advantages of low background noise, almost will not cause load to the microphone; It supports TEDS function, which can reduce the test time; Good design and toughness make it suitable for a wide range of environmental conditions.

Highlights

- **IEPE**

IEPE is a generic name for CRY SOUND products which operate on a constant current power supply. IEPE products give output signals in the form of voltage modulation on the power supply line. One of the advantages of this is that you can use inexpensive coaxial cables.

- **Compatibility**

The CRY3542 IEPE preamplifier is compatible with CRY SOUND prepolarized measurement microphones and can be used together with data acquisition hardware that supports IEPE microphones, such as the CRY6151B electroacoustic analyzer.

- **TEDS**

CRY3542 supports the Transducer Electronic Data Sheet (TEDS) conforming to the IEEE 1451.4 V1.0 standard. It is capable of being compatible with smart sensor technology to facilitate the integration and automated management of sensor information.

- **Calibration**

Each CRY SOUND preamplifier 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 preamplifiers are made of stainless steel with good corrosion resistance and robustness, suitable for long-term storage.

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