

## CRY319-S01 2cc Coupler Kit



### Components & Description:

- ◆ CRY319 2cc Coupler
- ◆ CRY372 Measurement microphone
- ◆ CRY510 Preamplifier
- ◆ BL5706 SMB to BNC Cable / 1.5m

- ◆ CRY319 is a coupler with a volume of 2cc. It's suitable for 1/2 inch pressure field measuring microphones, such as CRY372, CRY332, CRY334 etc. A hearing aid and headset by air conduction can connect to it by an earplug (such as an ear mold or similar device). The resonant frequency of the coupler is 22.4kHz, which avoids interference to the measurement of the audible frequency range. The CRY372 measuring microphone is built into the coupler. Its sensitivity is 12.5mV/Pa and ground noise is 20dB(A).
- ◆ CRY372 measurement microphone is a pre-polarized 1/2 inch pressure field condenser microphone. It is mainly used for high-pressure level and high-frequency measurements with the dynamic range up to 168dB. CRY372 uses the Titanium membrane and it can achieve high stability and accuracy in harsh environment.
- ◆ CRY547 preamplifier can combine with 1/2 inch measurement microphone to transform the impedance. 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

- ◆ Meet IEC 60318-5:2006 Part 5: 2 cm<sup>3</sup> coupler for the measurement of hearing aids and earphones coupled to the ear by means of ear inserts.
- ◆ Meet ANSI S3.7:2008 Methods for coupler calibration of earphones.
- ◆ Meet IEC 61094-4:1995 Part 4: Specifications for working standard microphones .
- ◆ Meet GB/T 20441.4-2006 Part 4: Specifications for working standard microphones .

### Features & Specification

Coupler Volume	2cc±2%
Resonance Frequency	22.4kHz±2.5kHz
Frequency Response	125Hz to 8kHz
Sensitivity mV/Pa (dBV/Pa)	12.5mV/Pa±2dB(-38dB ±2dB)
Polarization Voltage V	0 V
Linearity Range (ref.20uPa)	20-160dB
Dynamic range limit (ref.20uPa)	160dB
Equivalent noise (ref.20uPa)	20uPa(A)
Preamplifier Supply	ICP 2-10mA
Preamplifier Connection	SMB coaxial plug/BNC (CRY510)
Working Temperature	-30°C to 80°C
Temperature Coefficient	-0.005dB/°C (-10°C to +50°C@250hZ)
Relative Humidity Range	10-90% no condensation

### Preamplifier & Measurement Microphone

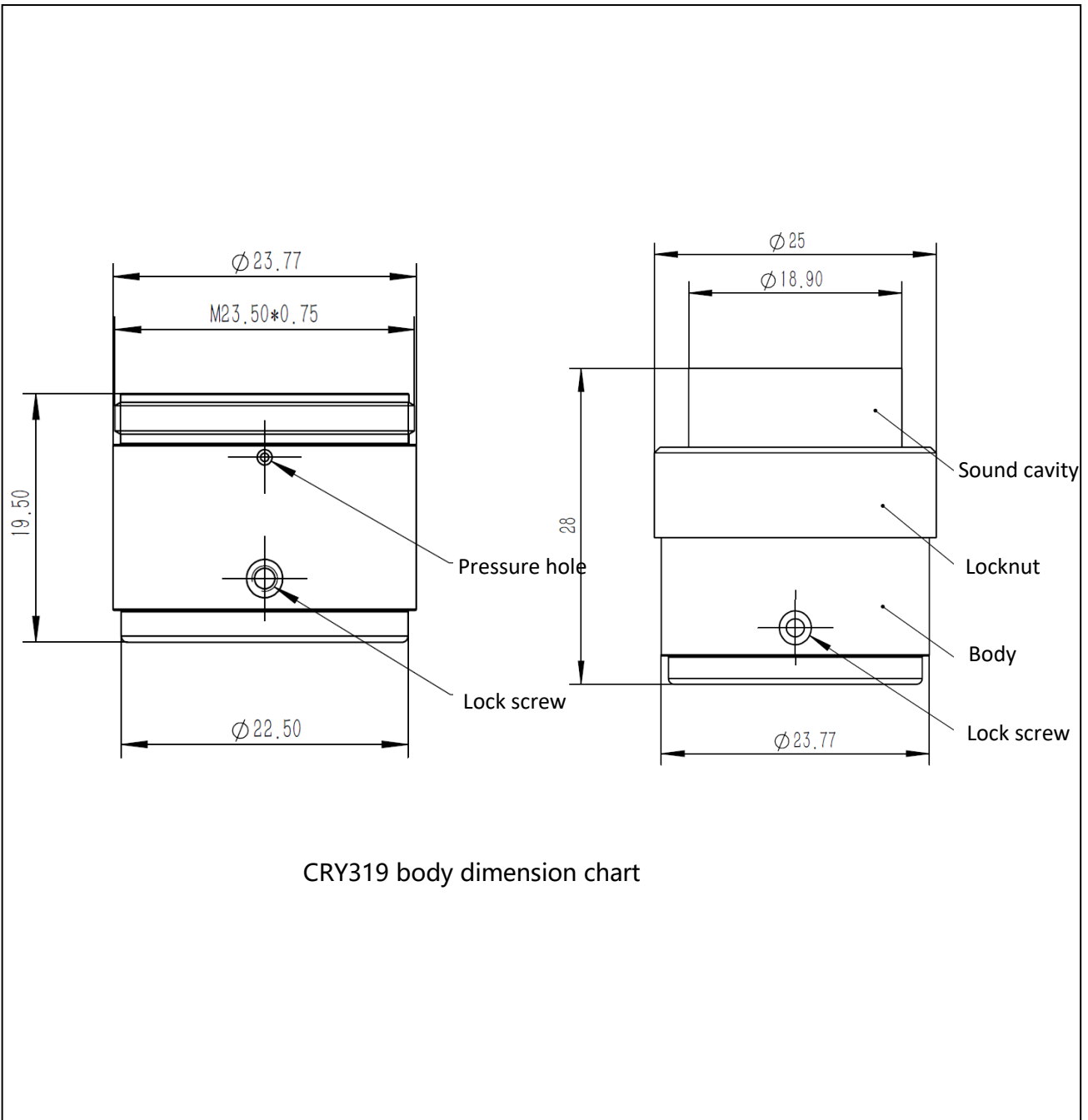


CRY510 preamplifier & CRY372 measurement microphone



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## Dimensions Chart



CRY319 body dimension chart