



## CA414 Microphone Phase Calibrator

### Features:

- Phase test frequency range up to 6300Hz
- Supports up to 4 microphone calibration
- Suitable for standard 1/2-inch and 1/4-inch measurement microphone
- Modular design, microphone holder is removable and expandable
- The sound-absorbing end is made of BASF sound-absorbing foam
- Built-in 4-inch loudspeaker, 8Ω, 15W

### Application:

- Microphone phase difference measurement
- Microphone array selection
- Sound intensity residual index measurement



### Introduction

**CA414** microphone phase calibrator is a multi-channel phase calibrator developed by BSWA TECH. It has built-in low-distortion loudspeaker which can form a uniform and stable plane wave sound field inside with the use of BSWA TECH's power amplifier. It's suitable for microphone phase difference measurement, microphone array selection and so on.

**CA414** includes sound source, microphone holder (with 4 microphone mounting holes) and a strong sound-absorbing end. It can compare phase of four 1/2-inch or 1/4-inch microphones at the same time.

**CA414** is only a sound source and comparison coupler. Therefore, perform phase measurement need additional signal generator, power amplifier and acoustic measurement system.

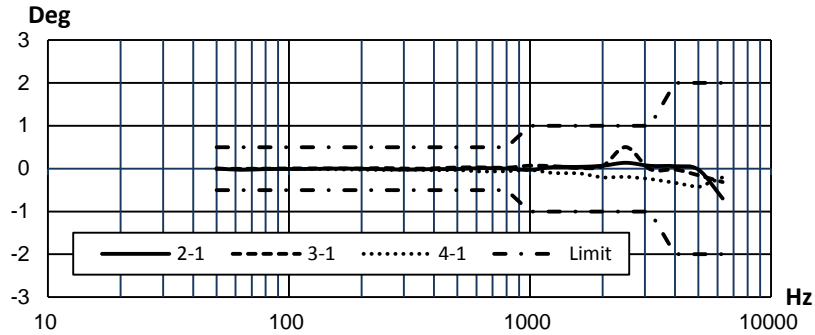
### Specifications

Frequency Range	±0.5° (50Hz~1000Hz) ±1.0° (1000Hz~4000Hz) ±2.0° (4000Hz~6300Hz)
Rated Power	15W
Rated Impedance	8Ω
Input Connector	BNC
Calibrator Size (mm)	W240 x H666 x D240
Package Size (mm)	W784 x H306 x D286
Weight	3.5kg (without package), 13.9kg (with package)
Applicable Microphone	1/2-inch and 1/4-inch measurement microphone
Internal Sound Pressure Level Limit	1/4-inch microphone: 90dB~102dB 1/2-inch microphone: 100dB~115dB

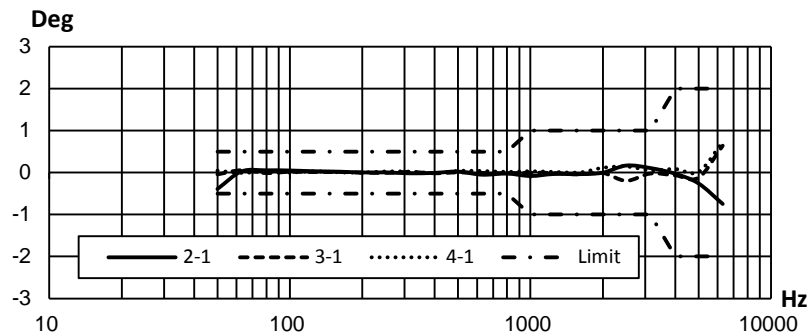


### Inherent Phase Difference

The phase calibration results can be corrected by using the inherent phase difference data of CA414 Certificate of Calibration.



Typical 1/2-inch mounting holes inherent phase difference (refer to No.1 hole)



Typical 1/4-inch mounting holes inherent phase difference (refer to No.1 hole)



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