

CRY343-C1 Microphone Set

Composition & Description:

- ◆ CRY343 Free field measurement microphone
- ◆ CRY547 Preamplifier



CRY343 measurement microphone is a pre-polarized 1/4 inch free field condenser microphone. It mainly used for high-level and high-frequency measurements since the sensitivity is low. It can measure high sound pressure levels to 164dB. The titanium diaphragm can achieve high stability and accuracy in harsh environment.

CRY547 preamplifier can combine with 1/4 inch measurement microphone to transform the impedance and amplifier the acoustic signal. 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 61094-4:1995 Measurement microphones—Part 4: Specifications for working standard microphones
- ◆ Meet GBT 20441.4-2006 Measurement microphones—Part 4: Specifications for working standard microphones

Features & Specification

Field Type	Free field
Sensitivity mV/Pa (dBV/Pa)	4mV/Pa \pm 3dB (-48dB re 1V/Pa)
Frequency Response(dB)	4Hz - 90kHz \pm 3dB
	12.5Hz-70kHz \pm 2dB
Polarity Voltage(V)	0V
Linearity Range (ref. 20uPa)	28-164dB (250Hz sensitivity changes 0.2dB/10dB)

Dynamic range limit (ref. 20uPa)	≥164dB (250Hz THD<3%)
Equivalent noise (ref. 20uPa)	≤28dB (250Hz)
Working Temperature	-10℃ to 50℃
Temperature Coefficient	-0.01dB /℃ (-10℃ to 50℃)
Static Pressure Coefficient	-0.01dB /kPa
Relative Humidity Range	10- 90% no condensation
Relative Humidity Coefficient	<0.1dB (10 - 90% no condensation)
Long Period Stability	<0.03dB/a (15℃ to 25℃ at 250Hz)
Short Period Stability	<0.03dB (15℃ to 25℃ at 250Hz)
IEC 61094-4 Name	WS3F
Connector Type	SMB coaxial plug
Diameter	6.35mm (1/4 inch), 7mm(with grid)
Length	41.5mm

CRY343 Free field measurement microphone typical response curve

CRY343 Frequency Response

