

CRY372 Measurement Microphone

CRY372 measurement microphone is a pre-polarized 1/2 inch pressure field condenser microphone. It mainly used for measuring the real sound pressure of the microphone's diaphragm. It can be used with couple resonators like CRY318 Artificial ear according to IEC60318-1 standard, CRY711 Artificial Ear according to IEC60318-4.



Features

- ✓ 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

Technique Specification

Specification

CRY372 Measurement Microphone	
Field Type	Pressure field
Sensitivity mV/Pa (dBV/Pa)	12.5mV(-38dB).....±2dB
Frequency Response(dB)	3.15Hz-20kHz.....±2dB
	10Hz-7kHz.....±1dB
Polarity Voltage(V)	0V (pre-polarized)
Typical Capacitance	13pF (@250Hz)
Linearity Range (ref. 20uPa)	20-160dB (@250Hz sensitivity changes 0.2dB/10dB)
Dynamic range limit (ref. 20uPa)	≥160dB (@250Hz THD<3%)
Equivalent noise (ref. 20uPa)	≤20dB(A) (@250Hz)
Working Temperature	-30℃ to +80℃
Temperature Coefficient	-0.005dB /℃ (-10℃ to +50℃ @250Hz)
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℃to25℃ @250Hz)
Short Period Stability	<0.03dB (15℃to25℃ @250Hz)
Pressure Balanced Hole	Rear Pressure
IEC 61094-4 Name	WS2P

Mechanical Size

Height (with boot cap)	12.6mm
Diameter (with boot cap)	13.2mm
Height (without boot cap)	11.5mm
Diameter (without boot cap)	12.7mm
Diaphragm Ring	12.1mm
Preamplifier suit screw thread	11.7mm-60UNS
Boot cap screw thread	12.7mm-60UNS

CRY372 Pressure field measurement microphone typical response curve

