

CRY342 Measurement Microphone

CRY342 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 168dB. The Titanium membrane can achieve high stability and accuracy in harsh environment. It can be compatible with CRY547 and CRY543 preamplifier, and it also can be compatible with other brands like B&K, G.R.A.S, etc. It is applicable to the acoustic tester, multi-channel noise analyzer and other instruments.



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

Type CRY342 Measurement Microphone	
Field Type	Pressure field
Sensitivity mV/Pa (dBV/Pa)	1.6mV(-56dB)±2dB
Frequency Response(dB)	4Hz-40kHz±2dB
	10Hz-10kHz±1dB
Polarity Voltage(V)	0V
Linearity Range (ref. 20uPa)	40-160dB (250Hz sensitivity changes 0.2dB/10dB)
Dynamic range limit (ref. 20uPa)	≥168dB (250Hz THD<3%)
Equivalent noise (ref. 20uPa)	≤30dB (250Hz)
Working Temperature	-20℃ to 60℃
Temperature Coefficient	-0.03dB /℃ (-10℃ to 50℃)
Static Pressure Coefficient	±0.04dB /kPa
Relative Humidity Range	10- 90% no condensation
Relative Humidity Coefficient	<0.05dB (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	WS3P

CRY342 Pressure field measurement microphone typical response curve

CRY342 Frequency Response

