

AWA14425 Measuring Microphone



1、 Introduction

The AWA14425 measuring microphone is a high-sensitivity general-purpose measuring microphone specifically designed for high-precision free-field measurements, meeting the needs of routine sound signal measurement. The AWA14425 diaphragm is laser-welded, exhibiting excellent stability and environmental adaptability. Its performance meets the Class 1 engineering measuring microphone requirements in SJ/T 10724 and can be used with IEPE type or conventional preamplifiers. Assembly and debugging of the AWA144XX series measuring microphones are performed in a cleanroom, featuring low background noise, high stability, and a wide frequency response range. It can be used with multi-channel analyzers, noise analyzers, electroacoustic testers, and other instruments for noise measurement and analysis, and can also replace measuring microphones from other domestic and international brands.

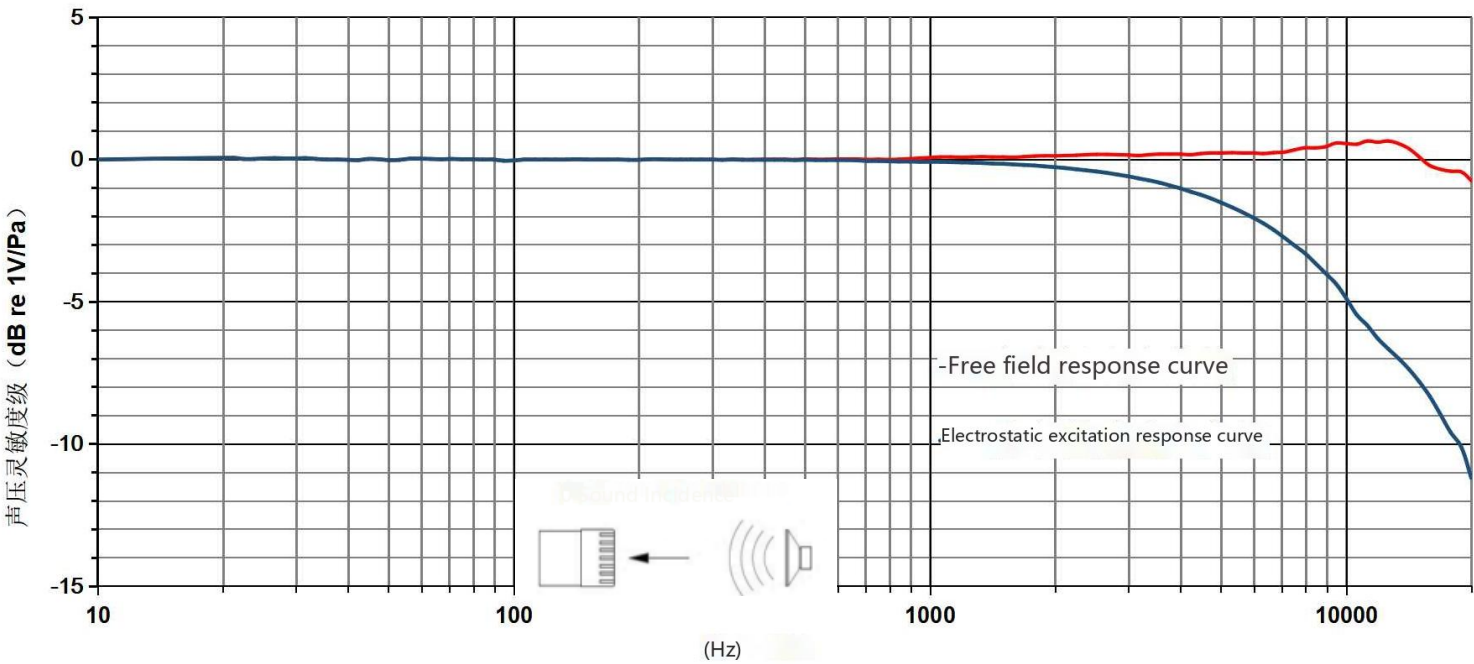
2、 Technical indicators

AWA14425 Measuring Microphone	
Sound field type	free field
diameter	1
Dimensions conform to standard (IEC 61094)	WS2F
Polarization Voltage (V)	0
Sensitivity (mV/Pa) (@250 Hz±1.5 dB)	39. 8
Frequency Range (Hz)	3. 15~20k
Typical Capacitance (pF) (@250Hz)	16
Dynamic range (dB)	18~146
Noise floor (dBA)	≤18
Equal pressure method	Rear pressure equalization
Operating temperature (°C)	-30~+80
Temperature Coefficient (dB/°C) (@250Hz)	-0. 01 (-10 °C~50 °C)
Static pressure coefficient (dB/kPa)	-0. 01
Operating humidity range (%RH)	0~100
Height (including protective cover) (mm)	17. 5

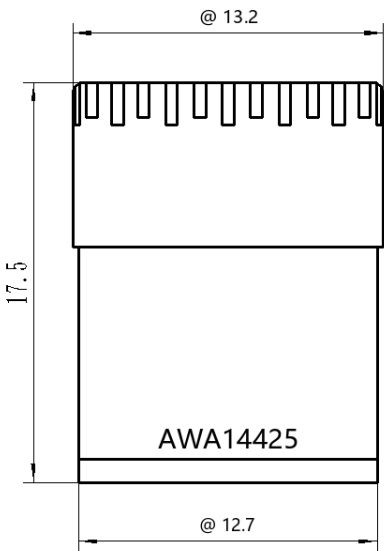
Diameter (including protective cover) (mm)	13.2
Height (excluding protective cover) (mm)	16.6
Diameter (excluding protective cover) (mm)	12.7
Pre amplifier with matching thread	11.7 mm-60 UNS

III. Typical frequency response curve of AWA14425 measuring microphone

Test conditions: Temperature 23 °C, relative humidity 50 %RH



IV Specification and size



V Contact Information

Telephon:0571-8502 2755

Email Number:mail@hzaihua.com

Address: No. 37 Xianxing Road, Xianlin Street, Yuhang District, Hangzhou City