

Free field measurement microphone M 663

Version: 1.3_20231121_EN



M 663 is an IEPE 1/2-inch prepolarized free-field measurement microphone, which is used to measure the undistorted true sound pressure of the microphone before it is placed into the sound field. The main part is made of stainless steel so that it has good toughness and long-term stability.

The MegaSig A 802 preamplifier is recommended for optimal test results.

- Meets the requirements of IEC 61094-4 for WS2F measuring microphone
- Low noise, wide frequency response range

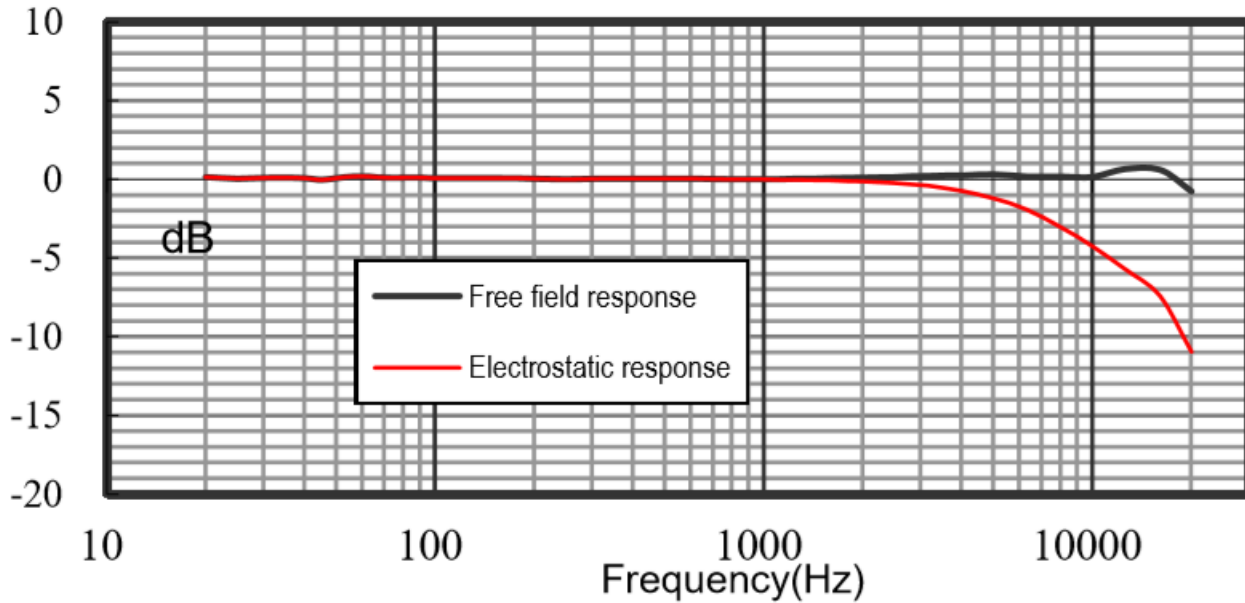
Specifications

Sound field	Free field
Frequency Response (dB)	3.15Hz – 20kHz ± 2dB 12.5Hz – 10kHz ± 1dB
Dynamic range (dB)	17 – 146
Sound pressure upper limit	146dBSPL (THD < 3%)
Noise level	< 17 dB(A)
Polarization voltage	0V(预极化)
Sensitivity mV/Pa (dBV/Pa)	50mV/Pa (-26.0dB ± 2dB) re 1V/Pa
Typical capacitance	16.0 pF
Working temperature	-20°C to 60°C
Temperature Coefficient	10- 90% no condensation
Storage condition	Temperature: 25°C ± 5°C, humidity: 50% ± 15%RH (to ensure the long-term stability of the sensor)

Mechanical dimension

Height (including protective cover)	17.2mm
Diameter (including protective cover)	13.2mm
Height (without protective cover)	16.0mm
Diameter (without protective cover)	12.7mm
Preamplifier fit thread	11.7mm-60UNS

M 663 free-field microphone typical curve, 1000Hz is the reference 0 point



MegaSig reserves the right to change specifications and accessories without notice.



www.megasig.com

MegaSig Measurement & Control Technology Co.,Ltd

Tel: 0755-8950.8393

Fax: 0755-8950.8392

Sales email: sale@megasig.com

Technical support email: support@megasig.com

Address: Room 1002, Unit 2, Building 1, Hongxing Chuangzhi Plaza,
Guangming District, Shenzhen, China