



M 663

Free-field Measurement Microphone

Product Specification

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The M 663 is an IEPE 1/2-inch pre-polarized 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 body is made of stainless steel, which endows it with good toughness and long-term stability. The M 663 is positioned as a cost-effective microphone, specifically designed for audio production line testing of multimedia products and motor products. It is recommended to pair it with the MegaSig A 802 preamplifier to achieve the best test effect.

Product characteristics

- Compliance with IEC 61094-4 WS2F Specifications for working standard microphones
- Low inherent noise, wide frequency range

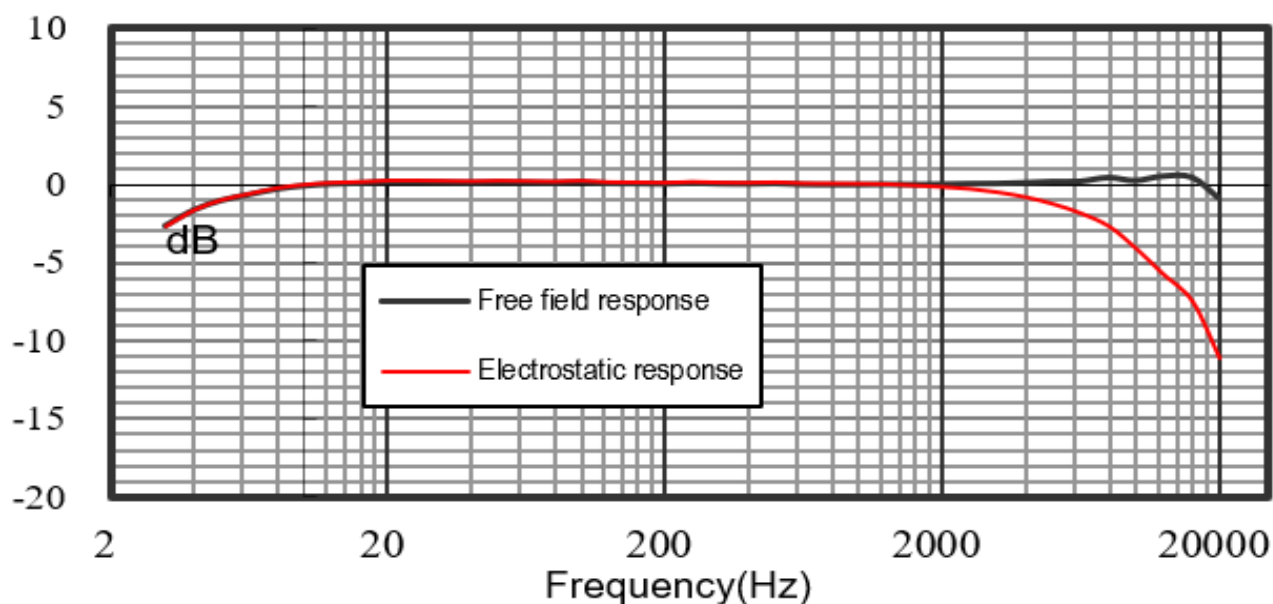
Specifications

Sound field	Free-field
Polarization	0V (Pre polarized)
Frequency range	3.15Hz – 20kHz ± 2dB 12.5Hz – 10kHz ± 1dB
Dynamic range	17dB (A) -135dB
Sound pressure upper limit	135dBSPL (1000 Hz THD<3%)
Inherent noise	< 17dB (A)
Sensitivity mV/Pa (dBV/Pa)	50mV/Pa (-26.0dB ± 2dB) re 1V/Pa
Typical capacitance	16.0pF
Microphone venting	Rear
Temperature range operation	-30°C to 85°C
Storage condition	Temperature: 25°C±5°C, humidity: 50%±15%RH (to ensure the long-term stability of the sensor)
Relative humidity	0%-90% no condensation
Relative humidity coefficient	<0.1dB (0-90% no condensation)
Net weight	8.5g
Gross weight	101.6g
Outer packaging size	16cm*10cm*4.5cm(L*W*H)

Mechanical dimensions

Height (including protective cover)	17.2mm
Diameter (including protective cover)	13.2mm
Height (without protective cover)	16.2mm
Diameter (without protective cover)	12.7mm
Preamplifier fit thread	11.7-60 UNS
Protective cover fit thread	12.7-60 UNS

Typical frequency response curve of M 663 free-field measurement microphone



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



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