

Pressure Field Artificial Ear CM 311+A 803

Version: 1.2_20240909_EN



The pressure field artificial ear is an ear simulator that simulates the way an earplug catheter is inserted into the ear canal or auricle.

The CM 311+A 803 includes the CM 311 pressure field artificial ear chamber and A 803 preamplifier. It is a pre-polarized pressure field measurement microphone kit specifically designed for audio production line testing of in-ear headset products.

The classic configuration of CM 311+A 803 artificial ear + PM 0083 signal conditioner + AM 581 artificial mouth, with its extremely high stability, has become the standard configuration of most domestic and foreign in-ear headphones audio test systems.

Product characteristics

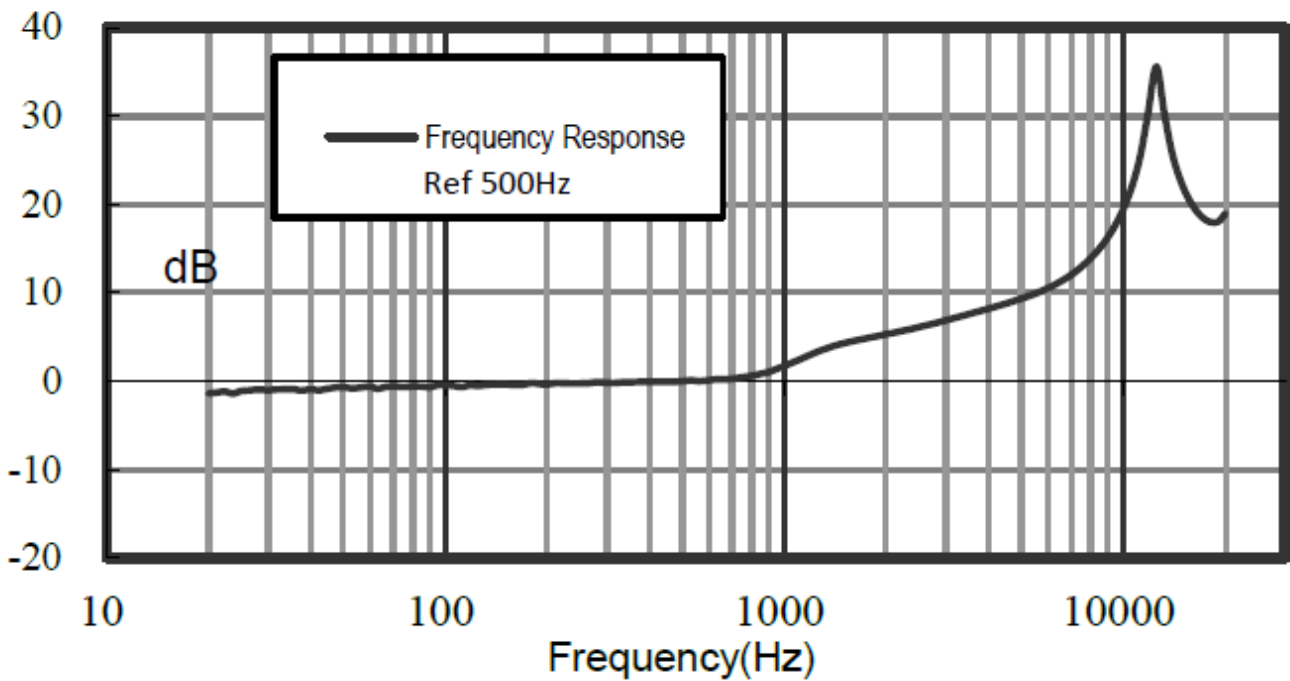
- Electroacoustics according to IEC 60318-4:2010 Ed.1.0 (formerly IEC 60711) - Simulators for the human ear and head - Part 4: Plug ear simulators for measuring plug-in headsets
- Complies with ITU-T Recommendation P.57(08/96)P series: Telephone transmission quality, equipment for measuring targets: artificial ears
- Plugged ear simulator for measuring plug-in earphones according to SJ/T 10659-1995

Specifications

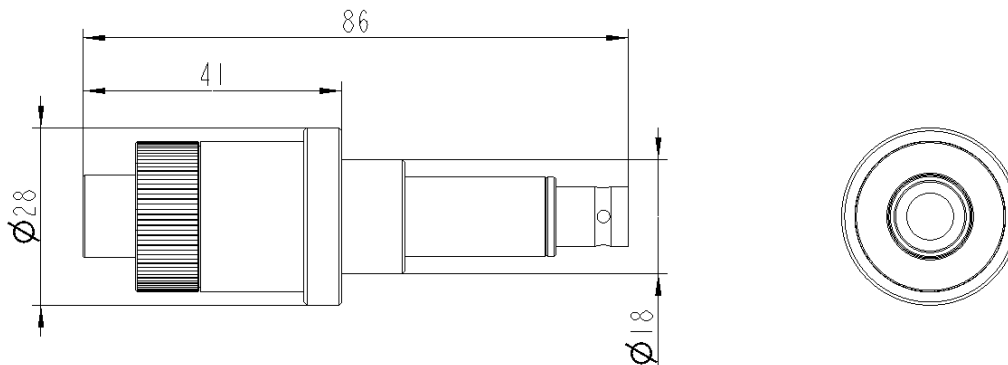
Standard	ITU-T P.57, Type 2 sensors, IEC 60318-4:2010 Ed.1.0
Frequency range	20Hz – 10KHz ± 0.5dB 10KHz – 16kHz ± 1dB
Sensitivity mV/Pa(dBV/Pa)	12.5mV/Pa (-38dB±2dB) re 1V/Pa
Dynamic range	33dBA-143dBSPL (THD<3%)
Connect type	BNC
Materials	Stainless steel

Temperature range,operation	-20°C to 60°C
Relative humidity	10-90% no condensation
Storage condition	Temperature: 25°C±5°C, humidity: 50%±15%RH (to ensure the long-term stability of the sensor)

CM 311+A 803 Typical frequency response （Ref 500 Hz）



Mechanical dimension



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



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