

CM 311+A 803 压力场麦克风套件

产品规格书

CM 311+A 803 Pressure Field Microphone Kit

Product Specification

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从此文件发布日期起，在此发表的是当前或者拟定的信息。由于我们会不断对产品进行改进和增加特征此出版物中的信息如有变动恕不另行通知。

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产品简介

压力场麦克风套件

压力场人工耳是模拟耳塞导管插入耳道或耳廓方式的耳模拟器，模拟耳机与人耳耦合从而测量耳机的声学性能。



CM 311+A 803 包括 CM 311 压力场人工耳腔和A 803 前置放大器。它是预极化压力场测量传声器套件，专门针对入耳式耳机产品的音频产线测试。

CM 311+A 803 人工耳 + PM 0083 信号调理器 + AM 581 人工嘴 的经典配置，以其极高的稳定性，已成为大多数国内外入耳式耳机音频测试系统的标准配置。

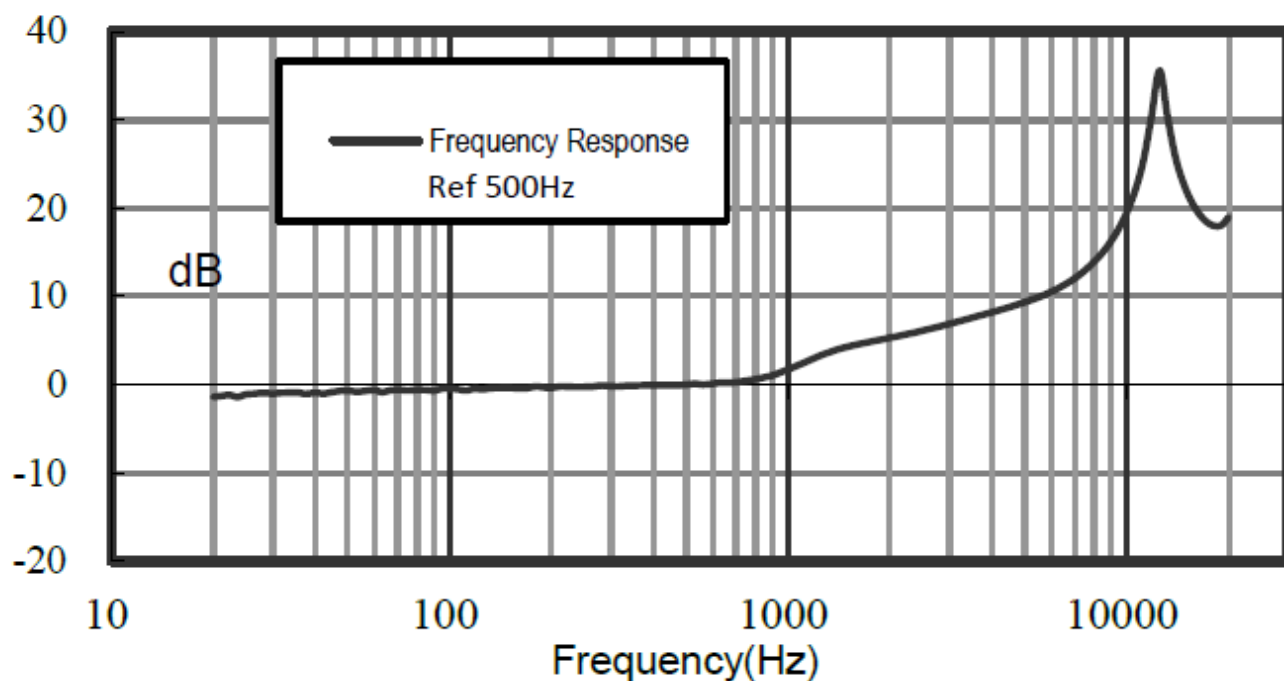
功能特点

- 符合 IEC 60318-4:2010 Ed.1.0 （原 IEC 60711）电声学-人耳及头部的模拟器，第 4 部分：测量插入式耳机用堵塞耳模拟器
- 符合 ITU-T 建议 P.57(08/96)P 系列：电话传输质量，测量目标的设备：仿真耳
- 符合 SJ/T 10659-1995 测量插入式耳机用堵塞耳模拟器

规格参数

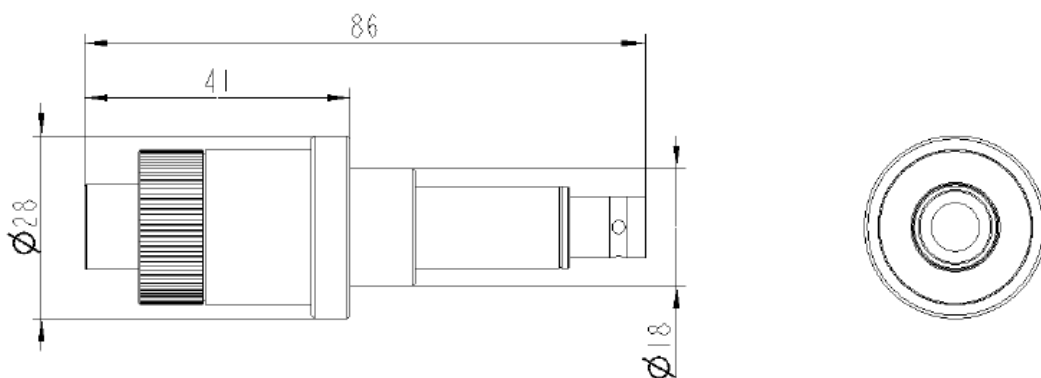
整体参数	
标准	ITU-T P.57, 2 型传感器, IEC 60318-4: 2010 Ed.1.0
压力场麦克风频响	20Hz – 10KHz ± 0.5dB 10KHz – 16kHz ± 1dB
灵敏度	12.5mV/Pa (-38dB±2dB) re 1V/Pa
声压测量范围	33dBA - 143dBSPL (THD<3%)
接口	BNC
主体材料	不锈钢
工作温度范围	-20°C至 60°C
相对湿度	10- 90%无凝结
储存条件	温度：25°C±5°C，湿度：50%±15%RH (保证传感器的长期稳定性)

典型频响曲线（500Hz 为参考 0 点）



尺寸与结构

单位: mm



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Product introduction

Pressure field microphone kit



Pressure-field artificial ear is a type of ear simulator that mimics the way earphone inserts are coupled to the ear canal or concha. It simulates the acoustic coupling between earphones and the human ear for measuring the earphones' acoustic performance.

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

The classic configuration of CM 311 + A 803 Artificial Ear, PM 0083 Signal Conditioner, and AM 581 Artificial Mouth has become the standard setup for most in-ear earphone audio test systems, both domestically and internationally, renowned for its exceptional stability.

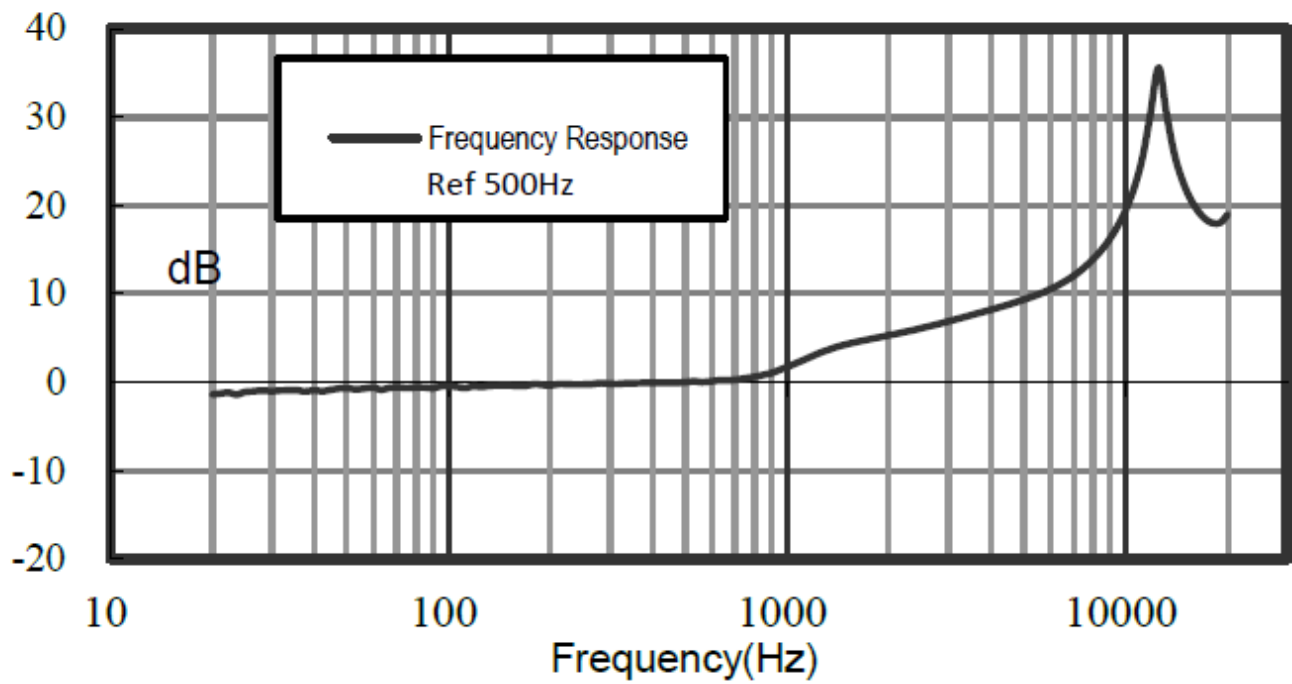
Features

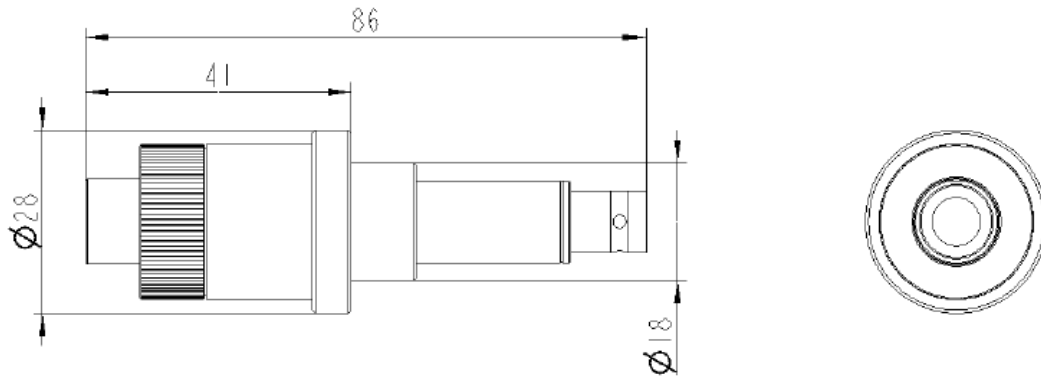
- Conforms to IEC 60318-4:2010 Ed.1.0 (formerly IEC 60711) Electroacoustics - Simulators of human head and ear - Part 4: Occluded-ear simulator for the measurement of earphones coupled to the ear by means of ear inserts
- Conforms to ITU-T Recommendation P.57 (08/96) P-series: Telephone transmission quality, and objectives for measurement equipment: Artificial ears
- Conforms to SJ/T 10659-1995 Occluded-ear simulator for the measurement of earphones coupled to the ear by ear inserts

Specifications

Parameters	
Standard	ITU-T P.57, Type 2 sensor, IEC 60318-4:2010 Edition 1.0
Frequency response of pressure field microphone	20Hz – 10kHz ± 0.5dB 10kHz – 16kHz ± 1dB
Sensitivity	12.5mV/Pa (-38dB±2dB) re 1V/Pa
Sound pressure measurement range	33dBA - 143dBSPL (THD<3%)
Interface	BNC
Body material	Stainless steel
Operating temperature range	-20°C to 60°C
RH	10- 90% non-condensing
Storage conditions	Temperature : 25°C±5°C, humidity : 50%±15%RH (to ensure the long-term stability of the sensor)

Typical frequency response (Ref 500 Hz)



Size and Structure**Unit: mm**

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