MegaSig

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PM 0021 静电激励放大器

产品规格书

PM 0021 Electrostatic Excitation Amplifier

Product Specification

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产品简介



PM 0021 静电激励放大器

PM 0021 是一款高增益、高电压的静电激励放大器。其输出的交流信号可以叠加在 200V DC 或 800V DC 的直流偏置电压上。

PM 0021 的输入信号通过标准 BNC 接口提供，输入信号可以是最高 1V RMS 的任意信号。PM 0021 会将该信号放大 40 dB（即放大 100 倍），输出最大可达 100V RMS。

PM 0021 提供三个输出接口：纯交流输出、交流 + 200V 直流输出，以及交流 + 800V 直流输出。

功能特点

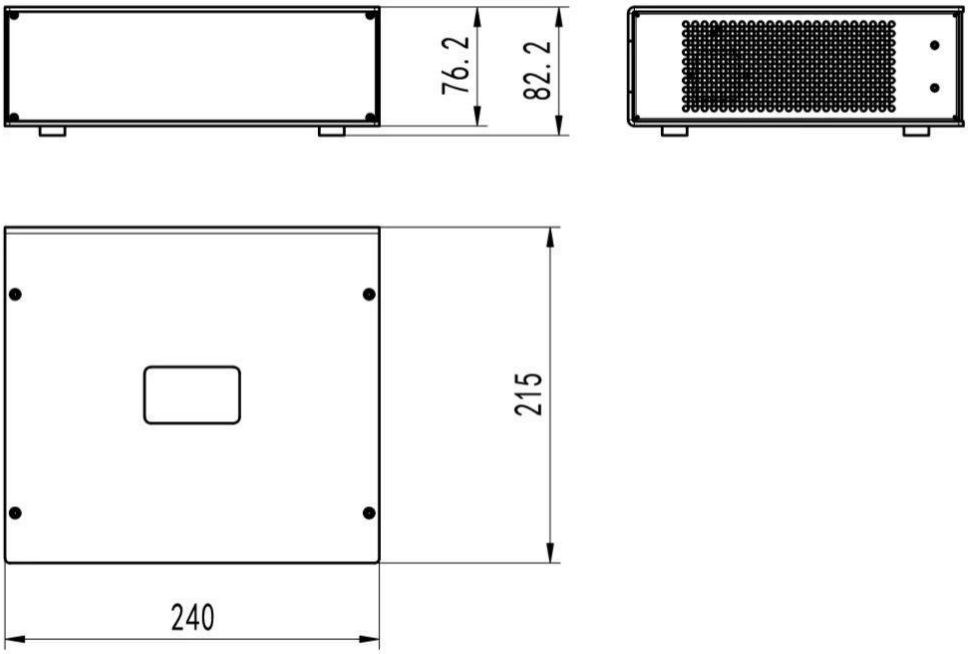
- 高增益放大
- 高压直流偏置叠加功能
- 多种输出接口
- 适用于麦克风频率响应校准、声学传感器/麦克风作为高频信号源

规格参数

产品参数	
输出信号类型	纯 AC、AC+200V DC、AC+800V DC
增益	40 dB（放大 100 倍）
最大输入电压	1V RMS
最大输出电压	100V RMS
支持麦克风类型	外偏置测量麦克风
偏置电压选项	200V DC/800V DC
输入接口类型	BNC接口
工作温度	-20℃~50℃
工作电压	AC 220V
典型功耗	15W
满载功耗	20W

尺寸与结构

单位: mm



订购信息

PN号	型号	说明
960045-01	PM 0021	静电激励放大器
900014-17	AD 023	静电激励器

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Product introduction



Electrostatic excitation amplifier

PM 0021 is a high gain, high voltage electrostatic excitation amplifier Its output AC signal can be superimposed on a DC bias voltage of either 200 V DC or 800 V DC.

The input signal to the PM 0021 is provided via a standard BNC connector and can be any signal up to 1 V RMS. The PM 0021 amplifies this signal by 40 dB (i.e., 100 times), delivering a maximum output of 100 V RMS.

PM 0021 provides three output interfaces: pure AC output, AC+200V DC output, and AC+800V DC output.

Features

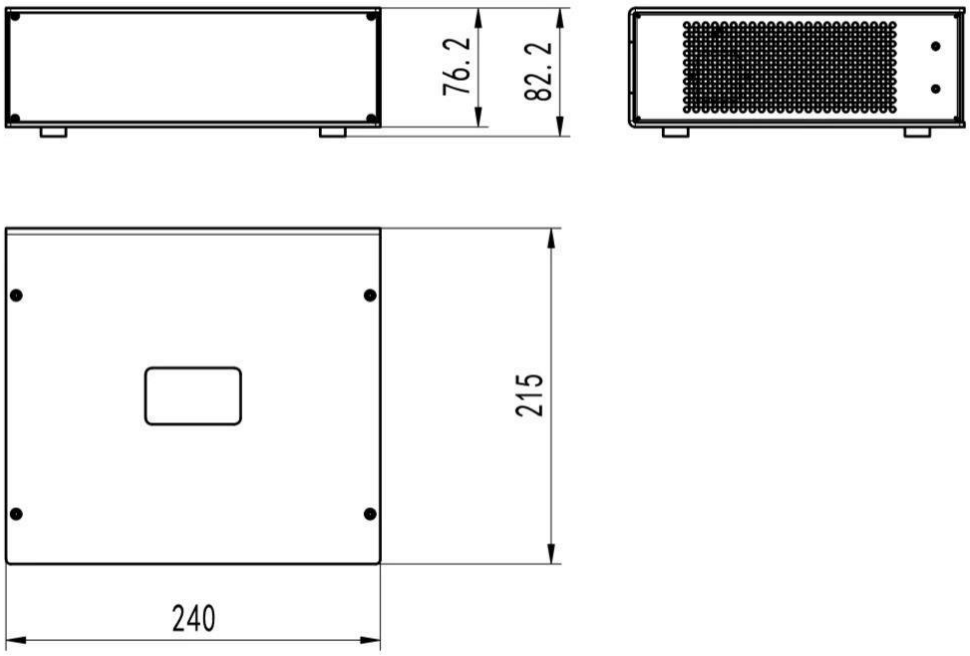
- High gain amplification
- High voltage DC bias superposition function
- Multiple output interfaces
- Suitable for microphone frequency response calibration, acoustic sensors/microphones as high-frequency signal sources

Specification parameters

Parameters	
Output signal type	Pure AC, AC+200V DC, AC+800V DC
Gain	40 dB (Amplified 100x)
Maximum input voltage	1V RMS
Maximum output voltage	100V RMS
Supports mic types	External bias measurement microphone
Bias voltage options	200V DC/800V DC
Input interface type	BNC
Operating Temperature	-20℃~50℃
Working Voltage	AC 220V
Typical power consumption	15W
Full load power consumption	20W

Size and Structure

Unit: mm



Ordering Information

PN	Model	Describe
960045-01	PM 0021	Electrostatic excitation amplifier
900014-17	AD 023	Electrostatic Actuator

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