MegaSig

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PM 4014 4 通道直流电压电流测量仪器

产品规格书

PM 4014 4-channel DC Voltage And Current Measuring Instrument

Product Specification

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产品简介



4 通道直流电压电流测量仪器

PM 4014是一款多通道针对消费类产品的产线测试设计的，4 通道电压测量与 4 通道电流测量仪器。用于测量直流电压与直流电流，具备量程自动切换，且测量精度高。

支持PC使用串口通讯控制。

功能特点

- 电压精度最高0.1mV，电流精度最高1μA
- 适配测试源，快速自动切换量程
- 可自行设置测量时间长短进行数据平均
- 支持串口通讯控制，灵活搭配自动化测试
- 电压量程20V，电流量程2A
- 使用标准220V 电源供电，方便工业现场使用

规格参数

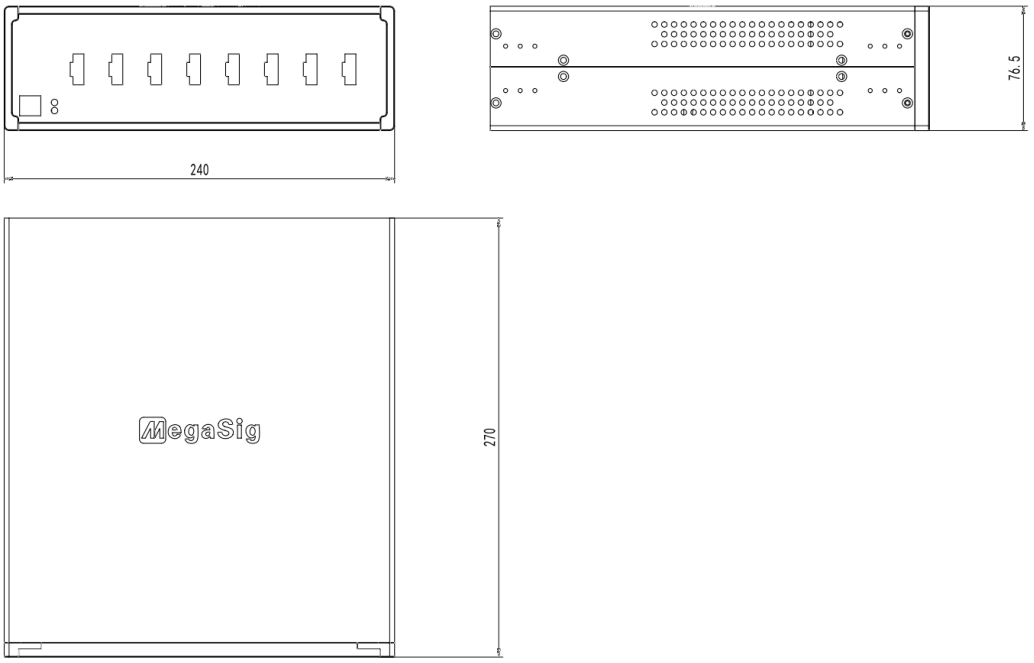
产品参数	
测量通道数	8
工作电压	220V
产品尺寸（mm）	240*270*76.5（L*W*H）
通讯接口类型	DB9
适用温度	-20℃~50℃

技术参数

功能	量程	有效分辨率	测试电流或负荷电压	输入阻抗
直流电压（DCV）	200.000mV	1mV		10MΩ
	2.00000V	1mV		10MΩ
	20.0000V	1mV		10MΩ
直流电流（DCI）	2.00000mA（内阻100Ω）	10μA	<0.2V	
	20.00000mA（内阻100Ω）	10μA	<2V	
	200.0000mA（内阻330mΩ）	1mA	<0.1V	
	2.00000A（内阻330mΩ）	10mA	<1V	

尺寸与结构

单位: mm



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Product introduction



4-channel DC Voltage And Current

PM 4014 is a multi-channel instrument designed for production line testing of consumer products, featuring 4 channels for voltage measurement and 4 channels for current measurement. It is used for measuring DC voltage and DC current, with automatic range switching and high measurement accuracy.

Support PC to use serial communication control.

Features

- Voltage accuracy: maximum 0.1mV, current accuracy: maximum 1μA
- Adapts to test sources with fast automatic range switching
- User-adjustable measurement duration for data averaging
- Supports serial communication control for flexible integration into automated testing
- Voltage range: 20V, current range: 2A
- Powered by a standard 220V power supply, convenient for industrial use on site

Specification parameters

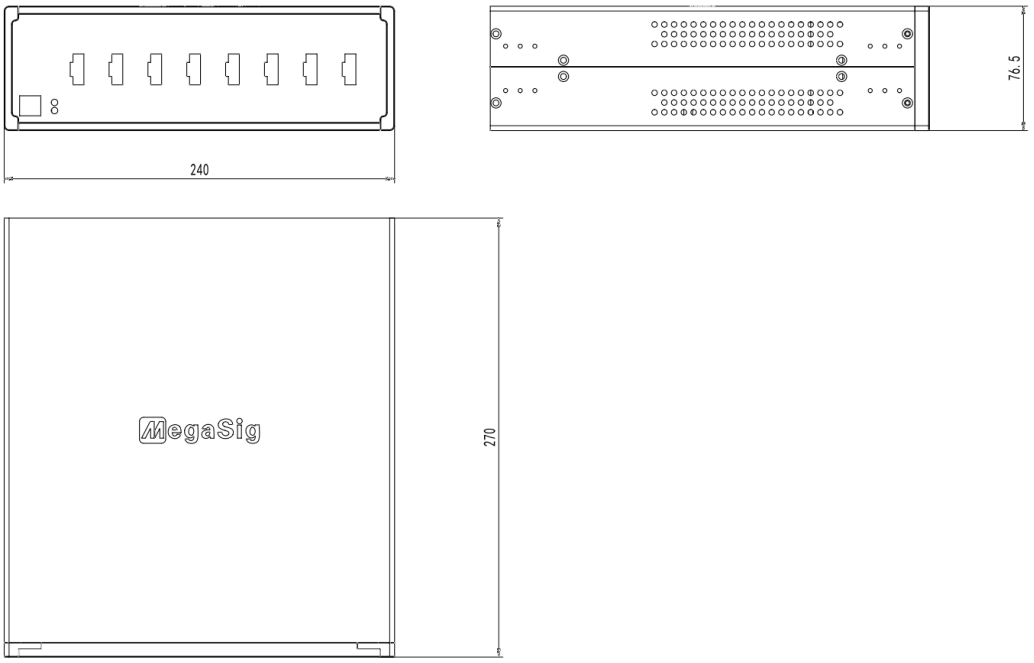
Specification	
Number of measurement channels	8
Operating voltage	220V
Product dimensions (mm)	240*270*76.5（L*W*H）
Communication interface type	DB9
Operating temperature range	-20℃~50℃

Technical Specifications

Function	Range	Effective Resolution	Test Current or Load Voltage	Input Impedance
DC Voltage （DCV）	200.000mV	1mV		10MΩ
	2.00000V	1mV		10MΩ
	20.0000V	1mV		10MΩ
DC Current（DCI）	2.00000mA (Internal resistance 100Ω)	10μA	<0.2V	
	20.00000mA (Internal resistance 100Ω)	10μA	<2V	
	200.0000mA (Internal resistance 330mΩ)	1mA	<0.1V	
	2.00000A (Internal resistance 330mΩ)	10mA	<1V	

Size and Structure

Unit: mm



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