**性能特点**

MS2040型耐电压测试仪校准仪是应用于对耐电压测试仪，包括数字式及指针式交流（工频）﹑直流耐电压测试仪﹑绝缘耐压测试仪的耐压部分﹑安全性能综合测试仪的耐压部分进行首次检定﹑后续检定和使用中检定的自动校验仪。

**技术参数**

**产品说明**：

CS9911AI、CS9911BI、CS9912AI、CS9912BI为字符型液晶显示的基本型程控耐压测试仪。CS9911AI、CS9912AI为交流耐压测试仪；CS9911BI、CS9912BI为交直流耐压测试仪。输出电压为交流为5kV、直流为6kV,输出电流最大可达20mA,频率为50Hz/60H在可选。输出电压采用DDS+功放输出模式，输出的波形纯净、失真度小，保证测量结果准确、可靠，是一款高性价比的耐压测试仪，可完全替代进口同类型仪器。  
http://www.changshenginstrument.com/manage/ProduceSystem/webedit/uploadfile/2012412131146262.jpg

●采用20\*2字符型液晶显示器显示，显示参数醒目、直观。

●恒压输出：输出电压的调整率在±1%范围内，避免因输入电源电压不稳及负载变化而使输出电压变化，测量结果不准确。

●具有快速放电功能：测试仪能在直流测试完0.2s的时间内把被测试体及回路中的电放完，确保操作人员的安全。

●过零启动可防止被测试键损坏。

●电压按时间梯度上升，寻找击穿点分析。

●可设置电流上限报警及下限报警功能，防止因测试线脱落造成误判。

●电流偏移功能可消除测试夹具的漏电流对测试结果的影响。

●在测试过程中，可手动改变输出电压的大小。

●输出电压频率可选50Hz或60Hz。

●具有GFI保护功能。

●具有20个记忆组，每组有8个测试步骤。

●前面板软件校准，不用打开即可即可进行参数校准。

●标配PLC接口，选配RS232C、RS485接口。  
 http://www.changshenginstrument.com/manage/ProduceSystem/webedit/uploadfile/201241213122889.jpg

●安全防电墙及安全防护体系，可保护操作人员的安全、保证被测试件不被损坏。  
●由DDS产生标准正弦波，线性功放驱动输出，输出电压波形纯净、失真度小，优于2%。

●快速的电压建立时间：交流输出电压的建立时间为126ms,直流输出电压的建立时间为60ms。

●可设置电压上升时间、测试时间、电压下降时间及间隔时间。

http://www.changshenginstrument.com/manage/ProduceSystem/webedit/uploadfile/2012412131224839.jpg

●元器件：二极管、三极管、高压硅堆、各种电子变压器、接插件、PCB线路板、高压电容

●家用电器：电视机、电冰箱、空调、洗衣机、除湿机、电热毯、充电器等

●绝缘材料：热缩套管、电容器薄膜、高压套管、绝缘纸、绝缘鞋、绝缘橡胶手套等

●仪器仪表：示波器、信号发生器、直流电源、开关电源等

●照明电器：镇流器、道路灯、舞台灯、手提灯等各类灯具

●电动电热器具：电钻、手枪钻、切割机、打磨机、研磨机、电焊机等

●电线电缆：高压线、光缆、电缆、硅橡胶电缆等

●电机：旋转电机

●办公设备：电脑、 验钞机、打印机、复印机等

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| |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 型号 | | | | | CS9911AI | | CS9911BI | | CS9912AI | | | CS9912BI | | ACW | 输出电压 | | 范围 | | (0.050～5.000)kV | | | | | | | | | 精度 | | ±（2％读值+5V） | | | | | | | | | 分辨率 | | 1V | | | | | | | | | 最大输出功率 | | | | 60W | | | | | 100W | | | | 最大额定电流 | | | | 12mA | | | | | 20mA | | | | 电流档位 | | | | 2mA、12mA | | | | | 2mA、20mA | | | | 电流下限 | | | | （0～12.00）mA,0=不判断下限 | | | | | （0～20.00)mA,0=不判断下限 | | | | 输出波形 | | | | 正弦波 | | | | | | | | | 输出波形失真度 | | | | ≤2%（空载或纯阻性负载） | | | | | | | | | 波峰因数 | | | | 1.3～1.5 | | | | | | | | | 输出波形方式 | | | | DDS+线性功放 | | | | | | | | | ACW | 电压上升时间 | | | | 0.3s～999.9s  0=电压上升时间关 | | | | | | | | | 测试时间 | | | | 0.3s～999.9s  0=连续测试 | | | | | | | | | 电压下降时间 | | | | 0.3s～999.9s  0=电压下降时间关 | | | | | | | | | 间隔时间 | | | | 0.3s～999.9s  0=间隔时间关 | | | | | | | | | DCW | 输出电压 | 范围 | | |  | (0.050～6.000)kV | |  | | | (0.050～6.000)kV | | | 精度 | | |  | ±（2％读值+5V） | |  | | | ±（2％读值+5V） | | | 分辨率 | | |  | 1V | |  | | | 1V | | | 最大输出功率 | | | |  | 30W | |  | | | 60W | | | 最大额定电流 | | | |  | 5.000mA | |  | | | 9.999mA | | | 电流档位 | | | |  | 2mA、5mA | |  | | | 2mA、10mA | | | 电流下限 | | | |  | （0～5.000）mA,0=不判断下限 | |  | | | （0～9.999）mA,0=不判断下限 | | | 纹波系数 | | | |  | ≤5%（6kV/5mA） | |  | | | ≤5%（6kV/10mA） | | | 放电时间 | | | |  | ≤200ms | |  | | | ≤200ms | | | 最大充电电流 | | | |  | 5mA | |  | | | 9.999mA | | | 电压上升时间 | | | |  | 0.3～999.9s  0=电压上升时间关 | |  | | | 0.3～999.9s  0=电压上升时间关 | | | 测试时间 | | | |  | 0.3～999.9s  0=连续测试 | |  | | | 0.3～999.9s  0=连续测试 | | | 电压下降时间 | | | |  | 0.3～999.9s  0=电压下降时间关 | |  | | | 0.3～999.9s  0=电压下降时间关 | | | 间隔时间 | | | |  | 0.3～999.9s  0=间隔时间关 | |  | | | 0.3～999.9s  0=间隔时间关 | | | 电   压   表 | 范围 | | | | 0.050kV～6.000kV | | | | | | | | | 精度 | | | | ±（2％读值+5V） | | | | | | | | | 分辨率 | | | | 1V | | | | | | | | | 显示数值 | | | | 均方根值 | | | | | | | | | 电   流  表 | 测量范围 | | | AC | 0 ～ 20mA | | | | | | | | | DC | 0 ～ 10mA | | | | | | | | | 分辨率 | | | AC | 2mA档：1uA,20（12mA）mA档，10uA | | | | | | | | | DC | 2mA档1uA,10(5mA)mA档，10uA | | | | | | | | | 精度 | | | | ±（2%+5个字） | | | | | | | | | 偏移电流 | | | | 0 ～ 2mA | | | | | | | | | 计时器 | 范围 | | | | 0.1s～999.9s | | | | | | | | | 精度/分辨率 | | | | ±1%/0.1s | | | | | | | | |

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