

耐压测试分析仪

MODEL 19056 19057系列

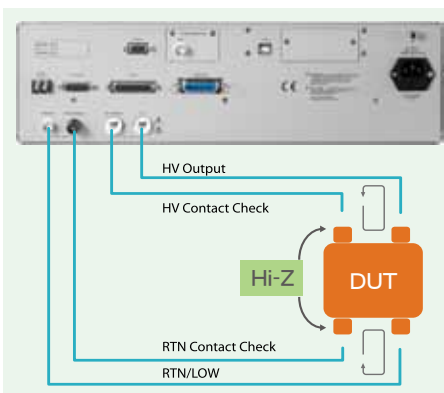
特点:

- 10kV AC & 20kV DC 耐压测试
- 0.1MΩ~50GΩ 绝缘阻抗测试
- BDV崩溃电压测试功能
- HVCC高压接触检查
- HFCC高频接触检查
- OSC开短路侦测
- GFI人体保护电路
- 快速充放电功能
- 程式电压输出及测试限制值
- 标准RS232介面
- 可选购GPIB&HANDLER介面
- 面板锁定功能
- CE 认证

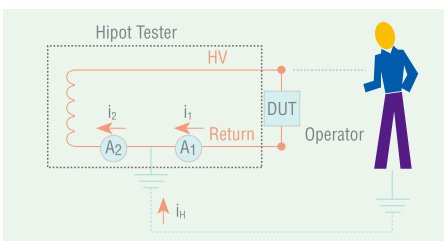


耐压测试分析仪 MODEL 19056/19057 系列

Chroma 19056/19057 耐压分析仪系列为针对超高压耐压测试与分析所设计的设备。系列机种包含10kVac/12kVdc/20kVdc, 最大输出AC 20mA/DC10mA。基本交/直流耐压、绝缘电阻测试, 对于产线测试时的接触检查议题, 除原有专利设计OSC开短路侦测 (Open Short Check), 新增HVCC高压接触检查(High Voltage Contact Check), 针对高绝缘能力之元件于高压输出时同步进行接触检查, 提升测试可靠度与效率。



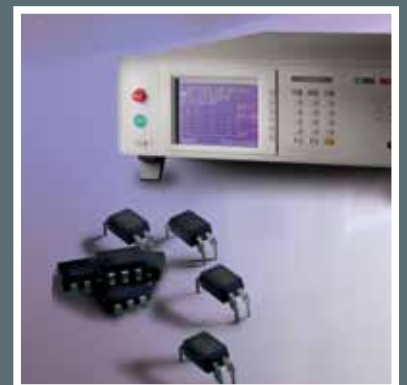
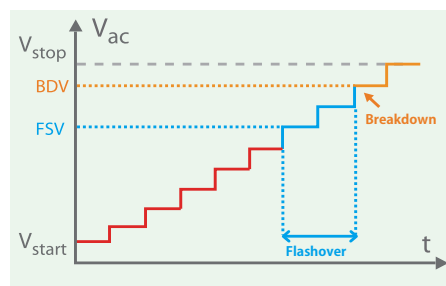
Chroma 19056/19057具有GFI(接地失效中断)设计, 当异常接地电流(A_2-A_1)发生时能即时切断输出, 可保护作业员操作安全。



超高压耐压分析仪主要针对高压光偶合器及高压继电器、高压开关、PV模组等绝缘耐受力较高之元件提供高压的耐压测试与分析。

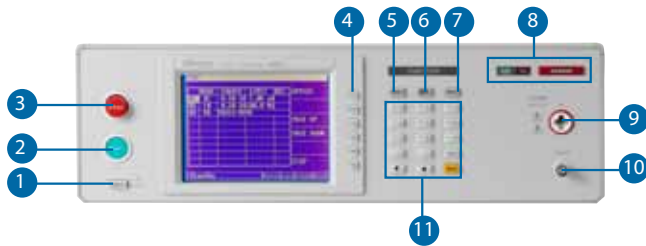
电容性高压元件进行DC耐压测试时必须充电与放电, 本系列具有快速充电功能有效降低测试的时间, 提高生产测试效率。

全系列耐压分析仪皆具有Flashover (ARC)侦测功能。经由设定起始电压、结束电压、爬升步序、次数及时间, 进行放电程度分析。放电程度分析模式 (DLA)提供阶段判断方式, 可设定电气闪络检测 (Flashover, ARC)、绝缘崩溃检测 (Breakdown, high limit)。当测试中有不良出现时, 19056/19057会依限制值显示出耐压强度 (withstanding voltage), 其分别代表电气闪络起始电压 (Flashover Start Voltage, FSV)及绝缘崩溃电压 (BreakDown Voltage, BDV)。在分析量测的同时可以外挂示波器同步观察波形。藉由这些测试结果, 研究人员可以对产品进行分析与研究, 针对元件绝缘较弱的部份进行改善。

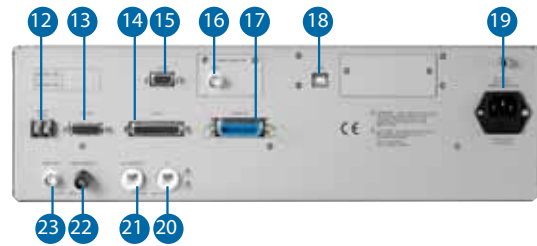


Chroma





- 1. 电源开关
- 2. 启动键
- 3. 停止键
- 4. 功能键
- 5. MENU键
- 6. MAIN INDEX Key
- 7. LOCAL键
- 8. 灯号显示
- 9. 高压输出孔
- 10. RTN/LOW
- 11. Data Entry Keys/ Program Keys



- 12. 启动防止开关
- 13. OPTION
- 14. SCAN
- 15. RS232介面
- 16. ARC信号输出
- 17. HANDLER介面
- 18. USB介面
- 19. 电源输入孔
- 20. HV
- 21. HV CONTACT
- 22. LOW/CONTACT
- 23. RTN/LOW

规格表

Model	19056	19057	19057-20
Mode	ACV	DCV / IR	DCV / IR
Withstanding Voltage Test			
Output Voltage	AC: 0.1~10kV	DC: 0.1~12kV	DC : 0.1 ~ 20kV
Load Regulation	± (1% of output + 10V), Rated load		
Voltage Accuracy	1% of reading + 0.1% of full scale		1.5% of reading + 0.1% of full scale
Voltage Regulation	± (1% of output + 10V), Rated load		
Cutoff Current	0.001~20mA	0.0001~10mA	0.0001~5 mA
Current Accuracy	0.100mA~2.999mA : ± (1% of reading + 0.3% of full range) 3.00mA~20.00mA : ± (1.5% of reading + 0.3% of full range)	± (1% of reading + 0.5% of full range)	
Current Resolution	AC : 1 μ A	DC : 0.1 μ A	
Output Frequency	50Hz / 60Hz	-	-
Test/Ramp/Fall/Dwell Time	0.3 ~ 999 sec., continue / 0.1 ~ 999 sec., off / 0.1 ~ 999 sec., off / 0.1 ~ 999 sec., off		
Waveform	Sine wave	-	-
Insulation Resistance Test			
Output Voltage	-	DC : 0.1 ~ 5kV	
Voltage Resolution	-	2V	
Voltage Accuracy	-	1% of setting + 0.5% of full scale	1.5% of setting + 0.5% of full scale
IR Range	-	0.1MΩ ~ 50GΩ	
Resistance Resolution	-	0.1MΩ	
Resistance Accuracy	≥ 0.5kV	-	1MΩ ~ 1GΩ : ± 3% of reading + 0.5% of full range 1GΩ ~ 10GΩ : ± 5% of reading + 1% of full range 10GΩ ~ 50GΩ : ± 10% of reading + 1% of full range
	<0.5kV	-	1MΩ ~ 1GΩ : ± 5% of reading + (0.5*500/Vs)% of full scale
Flashover Detection			
Setting Mode	Programmable setting		
Detection Current	AC : 20mA	DC : 10mA	DC : 10mA
Contact Check Function			
Contact Check	OSC (open/short check) HVCC(High Voltage contact check) HFCC (High Frequency Contact Check)	HVCC(High Voltage contact check) HFCC (High Frequency Contact Check)	HVCC(High Voltage contact check) HFCC (High Frequency Contact Check)
Electrical Hazard Protection Function			
Ground Fault Interrupt	0.5mA ± 0.25mA AC, ON/OFF	-	-
Key Lock	Yes (password control)		
Interlock	YES		
GO/NG Judgment Window			
Indication, Alarm	GO : Short sound, Green LED; NG : Long sound, Red LED		
Memory Storage	100 sets ,max. 50 steps per set		
Interface	Standard-RS232, Handler interface ,USB , SCAN Optional - GPIB interface		
General			
Operation Environment	Temperature: 0°C ~ 45°C ; Humidity: 15% to 95% R.H@ ≤ 40°C		
Power Consumption	600VA		
Power Requirements	100~240Vac, 47~66Hz		
Dimension (HxWxD)	130x430x500 mm/5.12x16.93x19.69 inch		
Weight	28kg / 61.7 lbs		

All specifications are subject to change without notice

订购资讯

- 19056 : 耐压分析仪 AC10kV
- 19057 : 耐压分析仪 DC12kV/IR
- 19057-20 : 耐压分析仪DC20kV/IR

- A190508 : GPIB 介面
- A190702 : 40kV 高压测试棒
- A190708 : ARC (Flashover) 验证治具

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