

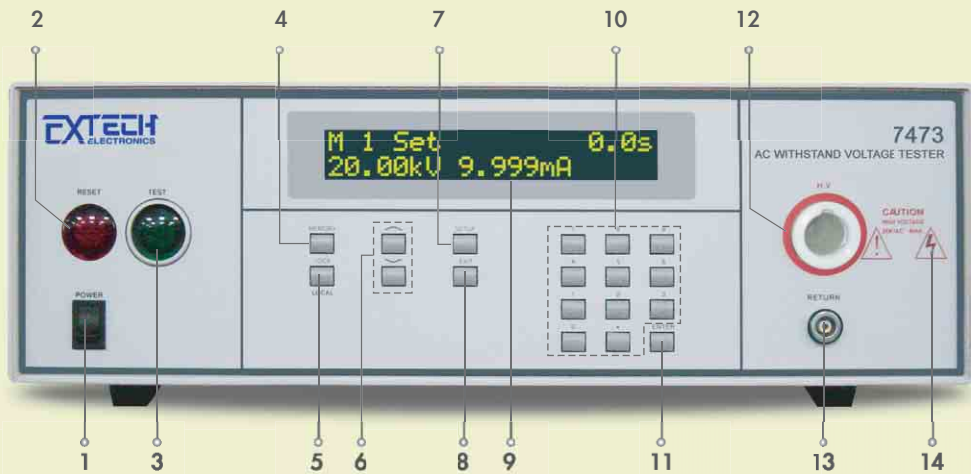
**產品特點: Features**

- ◆ 7473 交流輸出 20KV / 10mA & 7470 20KV / 10mA
7473 AC Hipot 20KV / 10mA & 7470 10KV / 20mA
- ◆ 7474 直流輸出 20KV / 5mA & 7472 12KV / 10mA
7474 DC Hipot 20KV / 5mA & 7472 12KV / 10mA
- ◆ 專利的智慧型防高壓觸電裝置 Smart GFI ; 確保操作使用者的安全
Patented SMART GFI circuit protects the operator form shock hazards
- ◆ 專利的 RAMP - HI 與 CHARGE - LOW 提高直流耐壓測試效益
Patented RAMP - HI and CHARGE - LOW for effective DC Hipot testing
- ◆ 全範圍輸出穩壓率可達 1%
Line and load regulation raintains the output voltage within 1% of setting
- ◆ 50 組程式記憶 ; 記憶組間可進行連結測試
Storage up to 50 memories and each memory to perform any of tests in any sequence
- ◆ 內建遠端控制界面 ; 簡單的控制 TEST / RESET 及三組記憶 M1 / M2 / M3 輸出
Built - in PLC remote interface to control TEST / RESET and three memories M1 / M2 / M3 output
- ◆ 鍵盤鎖定功能
Front panel lockout
- ◆ 可選購界面 GPIB , RS232 或 Printer
Optional GPIB , RS232 or Printer interface

產品測試應用範圍: Application Field

- ◆ 馬達 & 發電機 Motor and Generator
- ◆ 火星塞 Spark plugs
- ◆ 電容器 Capacitors
- ◆ 連接器 Connectors
- ◆ 航空元件 Aviation components
- ◆ 變壓器 Transformers
- ◆ 醫療器具 Medicals
- ◆ 電線 & 電纜 Wire and Cables
- ◆ 鐵心 & 電感 Coils and Chokes
- ◆ 開關 & 繼電器 Switches and Relays

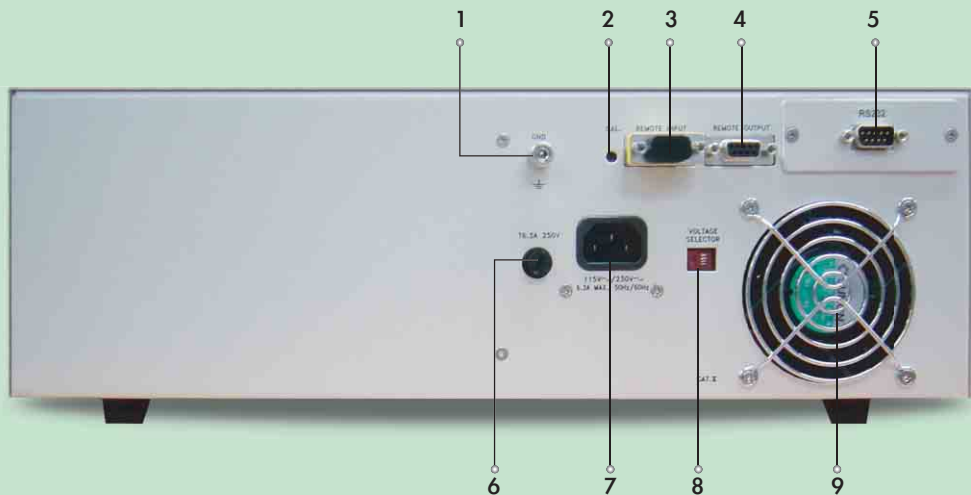
面板說明 Description of Panel



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|-------------------------------------|---|
| 1. POWER 開關 POWER SWITCH | 8. EXIT / PRINTER 鍵 EXIT / PRINTER KEY |
| 2. RESET 開關 RESET BUTTON | 9. 20 × 2 LCD 顯示器 20 × 2 LCD DISPLAY |
| 3. TEST 開關 TEST BUTTON | 10. 數字鍵 DATA ENTRY KEYS |
| 4. MEMORY 鍵 MEMORY KEY | 11. ENTER / REVIEW 鍵 ENTER / REVIEW KEY |
| 5. LOCK / LOCAL 鍵 LOCK / LOCAL KEY | 12. H. V. 端子 HIGH VOLTAGE OUTPUT JACK |
| 6. V / ^ 測試參數選擇鍵 UP-DOWN ARROW KEYS | 13. RETURN 端子 RETURN OUTPUT JACK |
| 7. SETUP 系統參數選擇鍵 SETUP KEY | 14. 高壓輸出指示燈 HIGH VOLTAGE ON INDICATOR |

註: LOCAL , PRINTER 鍵需選購 GPIB / RS232 , PRINTER 界面卡使用
 PS. : LOCAL ,PRINTER KEYS have to be used with RS232 / GPIB ,PRINTER optional interface.

7473正面 7473 FRONT PANEL



- | | |
|---|-------------------------------------|
| 1. 接地端子 CHASSIS GROUND (EARTH) TERMINAL | 5. 界面裝置 (選配) BUS INTERFACE (Option) |
| 2. 校正端子 CALIBRATION BUTTON | 6. 保險絲座 FUSE RECEPTACLE |
| 3. 遙控訊號輸入端子排 REMOTE SIGNAL INPUT | 7. 輸入電源座 INPUT POWER RECEPTACLE |
| 4. 遙控訊號輸出端子排 REMOTE SIGNAL OUTPUT | 8. 輸入電壓選擇開關 INPUT POWER SWITCH |
| | 9. 散熱風扇 THERMAL COOLING FAN |




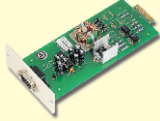
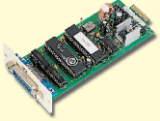

7473背面 7473 REAR PANEL

SPECIFICATIONS

MODEL	7470	7472	7473	7474
Output Rating	10KVAC/20mA	12KVDC/10mA	20KVAC/10mA	20KVDC/5mA
AC WITHSTAND VOLTAGE (7470&7473)				
	Range	Resolution		Accuracy
Output Voltage, ACV (for 7473)	0 - 20000	10		± (2% of setting + 20V)
Output Voltage, ACV (for 7470)	0 - 10000	10		± (2% of setting + 10V)
Output Frequency	50Hz/60Hz ± 100ppm, User Selection			
Output Waveform	Sine Wave ,THD.< 2% (Resistive Load), Crest Factor = 1.3 - 1.5			
Output Regulation	± (1% of output + 10V), From no load to full load			
SETTINGS				
Hi / Lo -Limit AC Current, mA (for 7473)	0 - 9.999	0.001		± (2% of setting + 2counts)
Hi / Lo -Limit AC Current, mA (for 7470)	0 - 9.999/10.00 - 20.00	0.001/0.01		± (2% of setting + 2counts)
Ramp Up Time, second	0.1 - 999.9	0.1		± (0.1% + 0.05sec)
Ramp Down Time, second	0.0 - 999.9	0.1		
Dwell Time	0, 0.3 - 999.9 sec (0=continuous)	0.1		
	0, 0.1 - 999.9 min (0=continuous)	0.1		
	0, 0.1 - 999.9 hr (0=continuous)	0.1		
Cycle Test	0 - 9999 Times, (0=continuous)			
Arc Detection	Range 1 - 7 ≥ 15kV , Range 1 - 9 < 15kV			
AC Current Offset, mA	0 - 2.000 or Auto Set (Option)			
MEASUREMENT				
AC Voltage, KV (for 7473)	0 - 20.00	0.01		± (2% of reading + 2counts)
AC Voltage, KV (for 7470)	0 - 10.00	0.01		± (2% of reading + 2counts)
AC Current Range, mA	0-3.500	0.001		± (2% of reading + 3counts)
	3.00-10.00 (for 7473)	0.01		
	3.00-20.00 (for 7470)	0.01		
DC WITHSTAND VOLTAGE (7472&7474)				
Output Voltage, DCV (for 7474)	0 - 20000	10		± (2% of setting + 20V)
Output Voltage, DCV (for 7472)	0 - 12000	10		± (2% of setting + 10V)
Output Ripple	<5% (在20KV/5000µA for 7474, 12KV/9999µA at Resistive Load for 7472)			
SETTINGS				
Hi / Lo -Limit DC Current, µA (for 7474)	0.0 - 999.9/1000 - 5000	0.1/1		± (2% of setting + 2counts)
Hi / Lo -Limit DC Current, µA (for 7472)	0.0 - 999.9/1000 - 9999	0.1/1		± (2% of setting + 2counts)
Ramp Up Time, second	0.4 - 999.9	0.1		± (0.1% + 0.05sec)
Ramp Down Time, second	0.0,1.0 - 999.9	0.1		
Dwell Time	0, 0.4 - 999.9 sec (0=continuous)	0.1		
	0, 0.1 - 999.9 min (0=continuous)	0.1		
	0, 0.1 - 999.9 hr (0=continuous)	0.1		
Cycle Test	0 - 9999 Times, (0=continuous)			
Arc Detection	Range 1 - 9 (9 is the most sensitivity)			
DC Current Offset, µA	0.0 - 200.0 or Auto Set (Option)			
Ramp High Current	ON/OFF, User Selection			
Charge - Low Current, µA	0.0 - 350.0 or Auto Set			
Discharge Time	≤ 200 msec			
Maximum Capacitive Load	1.5µF < 2KV	0.15µF < 8KV	0.12µF < 14KV	0.08µF < 20KV
	0.28µF < 4KV	0.15µF < 10KV	0.1µF < 16KV	
	0.18µF < 6KV	0.12µF < 12KV	0.08µF < 18KV	

SPECIFICATIONS

MODEL	7470	7472	7473	7474
MEASUREMENT				
DC Voltage, KV (for 7474)	0 - 20.00		0.01	± (1.5% of reading + 2counts)
DC Voltage, KV (for 7472)	0 - 10.00		0.01	± (1.5% of reading + 2counts)
DC Current Range, µA	0-350.0		0.1	± (2% of reading + 3counts)
	300-3500		1	
	3000-5000 (for 7474) 3000-9999 (for 7472)		10	
GENERAL				
Input Voltage AC	115/230VAC ± 15% , 50/60Hz ± 5% Fuse: 6.3A Slow			
PLC Remote Contro	Input : Test , Reset , Memory1.2.3 ,Interlock			
	Output : Pass , Fail , Processing			
Safety	Smart-GFI Function (<1mA)			
Memory	50 memories			
Display	20*2 LCD with back light			
Key Lock	To prevent unauthorized alteration of the test Parameters			
Calibration	Build-in software and external calibrated meters			
Interface	RS232/GPIB /Printer Card (Option)			
Alarm Volume Setting	10 ranges set by the numeric keys on the front panel			
Environment	0-40°C, 20-80%RH			
Dimension	430mm(W) x 133mm(H) x 400mm(D)			
Net Weight	24Kg	24Kg	22.5Kg	23Kg
STANDARD ACCESSORIES				
Power Cord (10A)	x 1			
Fuses	x 2 (Including a spare contained in the fuse holder)			
Interlock Disable Key (1505)	x 1			
Hipot Return Lead ,1.8m (1144)	x 1	x 1	x 1	x 1
Hipot Test Lead ,1.5m (1142)	-	-	x 1	x 1
Hipot Test Lead ,1.5m (1143)	x 1	x 1	-	-

ACCESSORIES		
1144 高壓迴路線 Hipot Return Lead 1.8m	1142 高壓測試線 Hipot Test Lead 1.6m	1314 高壓測試棒 Hipot Test Probe 1.5m
		
Opt. 705 RS232 界面卡 RS232 Interface	Opt. 731 GPIB 界面卡 GPIB Interface	Opt. 732 印表機界面卡 Printer Card
		

ORDERING INFORMATION

- 7473 AC 20KV Withstand Voltage Tester
- 7470 AC 10KV Withstand Voltage Tester
- 7474 DC 20KV Withstand Voltage Tester
- 7472 DC 12KV Withstand Voltage Tester
- Opt.705 RS232 Interface
- Opt.731 GPIB Interface
- Opt.732 Printer Card
- 1144 Hipot Return Lead 1.8m
- 1142 Hipot Test Lead 1.6m (for 7473 / 7474)
- 1143 Hipot Test Lead 1.6m (for 7470 / 7472)
- 1314 Hipot Test Probe 1.5m (for 7473 / 7474)
- 1315 Hipot Test Probe 1.5m (for 7470 / 7472)
- 1505 Interlock Disable Key



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