



【特點】

- 三種測試功能可供選擇：ACW、DCW、IR
- 大型 128 x 64 Graphic LCD 顯示器
- 單機可與 7315 接地阻抗測試器連結符合標準 19 英寸儀器架
- 可同時進行 100 台的連線測試
- 測試功能確認設定，可於測試前進行判定各項測試功能是否正常
- 前面板軟體輸入校正
- 內建 PLC Remote 遙控界面
- 鍵盤鎖定功能，安全鎖定功能
- 體積小 2U (215mm x 89mm x 370mm)、重量輕 (10kg)

【Features】

- Three Common Safety Tests : ACW, DCW, IR
- Enhanced 128 x 64 graphic LCD display
- Able to link with 7315 Ground Bond Tester to form a 19" rack
- Capable of linking up to 100 testers
- Test Functions Verification upon power on the instrument
- Front panel software calibration
- Built-in PLC Remote interface
- Front Panel Lockout, Remote Interlock
- Compact size 2U (215mm x 89mm x 370mm), light Weight (10kg)

Hipot / Insulation Testers

【Specification】

MODEL	7130	7132	7140	7142
AC WITHSTAND VOLTAGE				
Output Rating	5KVAC / 20mA			
	Range	Resolution	Accuracy	
Output Voltage, KVAC	0 - 5.00	0.01	± (1.5% of setting + 5V)	
Output Frequency	50Hz / 60Hz ± 0.1%, User selectable			
Output Waveform	Sine Wave, THD. < 3% at 500 - 5000V (Resistive Load), Crest Factor = 1.3 - 1.5			
Output Regulation	± (1% of output + 5V), From no load to full load			
SETTINGS				
Max-Limit AC Current, mA	0 - 20.00	0.01	± (2% of setting + 2 counts)	
Min - Limit AC Current, mA	0 - 9.999	0.001	± (2% of setting + 2 counts)	
Ramp Up Time, second	0.1 - 999.9	0.1	± (0.1% of setting + 0.05s)	
Ramp Down Time, second	0 - 999.9	0.1		
Dwell Time, second	0, 0.3 - 999.9 (0 = continuous)	0.1		
Arc Detection	The range is from 1 - 9 (9 is the most sensitive)			
DC WITHSTAND VOLTAGE (7140 & 7142 ONLY)				
Output Rating	6KVDC / 7500µA			
Output Voltage, KVDC	0 - 6.00	0.01	± (1.5% of setting + 5V)	
Output Ripple	< 5% (6KV / 7500µA at Resistive Load)			
SETTINGS				
Max-Limit DC Current, µA	0 - 7500	1	± (2% of setting + 2 counts)	
Min-Limit DC Current, µA	0 - 999.9	0.1	± (2% of setting + 2 counts)	
Ramp Up Time, second	0.1 - 999.9	0.1	± (0.1% of setting + 0.05s)	
Ramp Down Time, second	0, 1.0 - 999.9	0.1		
Dwell Time, second	0, 0.4 - 999.9 (0 = continuous)	0.1		
Arc Detection	The range is from 1 - 9 (9 is the most sensitive)			
Discharge Time	≤ 200ms			
INSULATION RESISTANCE (7132 & 7142 ONLY)				
Output Rating	1KVDC / 9999MΩ			
Output Voltage, DCV	30 - 1000	10	± (1.5% of setting + 5V)	
SETTINGS				
Max-Limit Resistance, MΩ	0, 1 - 9999 (0 = OFF)	1	30 - 499V 1 - 999, ± (8% of setting + 2 counts) 500 - 1000V 1 - 999, ± (2% of setting + 2 counts) 1000 - 9999, ± (5% of setting + 2 counts)	
Min-Limit Resistance, MΩ	1 - 9999	1		
Ramp Up Time, second	0.1 - 999.9	0.1		
Ramp Down Time, second	0, 1.0 - 999.9	0.1	± (0.1% of setting + 0.05s)	
Delay Time, second	0, 0.5 - 999.9 (0 = continuous)	0.1		

Hipot / Insulation Testers

MODEL	7130	7132	7140	7142
MEASUREMENT				
AC / DC Voltage, KV	0 - 6.00	0.01	± (1.5% of reading) ≥ 500V ± (1.5% of reading + 1 count) < 500V	
DC Voltage, V (IR only)	30 - 1000	1	± (1.5% of reading + 5V)	
AC Current, mA	0 - 3.500	0.001	± (2% of reading + 2 counts)	
	3.00 - 20.00	0.01		
DC Current, µA	0 - 350.0	0.1	± (2% of reading + 2 counts)	
DC Current, mA	0.300 - 3.500	0.001		
		3.00 - 7.50	0.01	
Resistance, MΩ	1 - 9999 (Auto range)	0.001	30 - 499V 1 - 999, ± (8% of reading + 2 counts) 500 - 1000V 1 - 999, ± (2% of reading + 2 counts) 1000 - 9999, ± (5% of reading + 2 counts)	
		0.01		
		0.1		
		1		
GENERAL				
Input Voltage AC	115 / 230Vac ± 15%, 50 / 60Hz ± 5%, max. current 3.15A			
PLC Remote Control	Input : Test, Reset, Memory1, 2, 3, Interlock Output : Pass, Fail, Processing, Reset-Out			
Interface (OPTION)	RS485 Interface			
Memory	10 memories, 3 steps / memory			
Graphic Display	128 x 64 Graphic LCD			
Safety	Built-in Smart GFI circuit, GFI trip current 450µA max, HV shut down speed : < 1ms			
Key Lock	To prevent unauthorized alteration of the test parameters			
Calibration	Built-in software and external calibrated meters			
Verification	Built-in software driven verification menu to test fault detection circuits			
Alarm Volume Setting	Range : 0 - 9; 0 = OFF, 1 is softest volume, 9 is loudest volume			
Environment	0 - 40°C, 20 - 80%RH			
Dimension (W x H x D), mm	215 x 89 x 370			
Net Weight	10Kg			
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 Test Lead, 1.5m (1101)	x 1			
Hipot Return Lead, 1.8m (1102)	x 1			

*Product specifications are subject to change without notice

[Ordering Information]

- 7130 AC Withstand Voltage Tester
- 7132 AC Withstand Voltage / Insulation Resistance Tester
- 7140 AC / DC Withstand Voltage Tester
- 7142 AC / DC Withstand Voltage / Insulation Resistance Tester
- Opt.756 Built-in RS485 Interface with 60cm cable
- Opt.786 Connection Kit for 7142 link with 7314 (7315)
- Opt.793 Build-in RS485 Interface with 180cm cable
- Opt.7014 Linking Function