



### 【特點】

- 直流接地電阻測試器，電流輸出可達 Max. 40A / 0 - 150mΩ
- 符合 IEC 61851 - 電動汽車傳導充電系統，UL1703 - 平板型太陽能組件安全認證標準的測試要求
- 可與 7100 系列 (7130 / 7132 / 7140 / 7142) 耐壓 / 絕緣阻抗測試器連結，符合標準 19 英寸儀器架
- 內建 10 組程式記憶，每一組 3 個測試步驟，可於一次設定連續測試
- 可於測試前進行判定各項測試功能是否正常
- 測試線路阻抗自我歸零校整功能，確保測試結果的準確性
- 時間與日期的設定可設定校正時間及預警時間提醒使用者
- 內建 PLC Remote 遙控介面
- 高頻式脈寬調變技術設計
- 大型 128 x 64 Graphic LCD 顯示器
- 安全鎖定功能

### 【Features】

- DC Ground Bond Tester out current up to 40A / 0 - 150mΩ
- Comply to IEC 61851 Electric vehicle conductive charging system, UL 1703 Flat-Plate Photovoltaic Modules and Panels standard
- Able to link with 7100 series (7130 / 7132 / 7140 / 7142) to form a 19" rack
- Storage up to 10 memories with 3 steps per memory to perform any of the safety tests in any sequence
- Test Functions Verification upon power on the instrument
- Auto Offset
- Date and Time Setting allows the operator to set calibration due date and alert
- Built-in PLC Remote interface
- High frequency PWM technology design
- Enhanced 128 x 64 graphic LCD display
- Remote Interlock

## DC Ground Bond Tester

### [Specification]

MODEL		ESD-140			
<b>GROUND BOND</b>					
Output DC Current		1 - 40A			
Output DC Voltage		8V, Maximum			
<b>SETTINGS</b>					
Max / Min - Limit Resistance, mΩ	Range	0 - 600	0 - 200	0 - 150	
	DC Current	1.00 - 10.00A	10.01 - 30.00A	30.01 - 40.00A	
	Resolution	1 mΩ			
	Accuracy	Same as Resistance Measurement Accuracy			
Lead Resistance Offset	Range	0 - 100mΩ			
	Resolution	1 mΩ			
	Accuracy	± (2% of setting + 2 counts)			
Dwell Time, second	Range	0, 0.5 - 999.9 (0 = continuous)			
	Resolution	0.1			
	Accuracy	± (0.1% + 0.05s)			
<b>MEASUREMENT</b>					
DC Current, A	Range	1.00 - 40.00			
	Resolution	0.01			
	Accuracy	± (3% of reading + 3 counts)			
Resistance, mΩ	Range	0 - 600	0 - 600	0 - 200	0 - 150
	DC Current	1.00 - 5.99A	6.00 - 10.00A	10.01 - 30.00A	30.01 - 40.00
	Resolution	1 mΩ			
	Accuracy	± (3% of reading + 3 counts)	± (2% of reading + 2 counts)		
<b>GENERAL</b>					
Input Voltage AC	100 - 240V±10% auto-detection, 50/60 Hz. 10 Amp, slow-blow 250 VAC				
PLC Remote Control	Input : Test, Reset, Interlock, Withstand Processing, Memory 1, 2, 3, Output : Pass, Fail, Test-in-Process, Start Out, and Reset Out				
Memory	10 memories, 3 steps / memory				
Display	128 x 64 Graphic LCD				
Security	Key Lock capability to avoid unauthorized access to all test parameters. Memory Lock capability to avoid unauthorized access to memory locations.				
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				
Interface (Option)	RS-232				
Environment	0 - 40°C, 20 - 80%RH				
Dimension (W x H x D), mm	215 x 89 x 370				
Net Weight	5.5Kg				

\*Product specifications are subject to change without notice

### [Ordering Information]

ESD-140 DC Ground Bond Tester (40A / 8V)

Opt.781 RS232 Interface Card