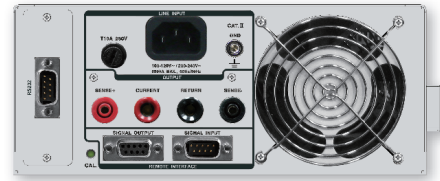


ESD Series DC Ground Bond Tester



The ESD series is designed for DC system applications with the DC ground bond tester. It meets safety regulation includes application in electric vehicle charging system and solar modules with a full range of four-line measurements which can automatically correct offset value while providing better accuracy. This machine also can be further linked with EST-300 series to form a complete 4-in-1 safety testing system to enhance on testing function.

Key Highlight

- Compliant with IEC61851 electric vehicle charging system, UL1703 and IEC61730 solar module safety certification standard test requirements.
- 4 wire measurements with auto offset adjustment to enhance the testing accuracy.
- Capable to connect and expand to EST-300 series for a more complete testing functions.

Available Interface



RS-232

Safety and Productivity Features



VERICHEK

ESD Series Specifications		
MODEL	ESD-140	
INPUT		
Voltage (AC)	100-120V \pm 10%, 200-240V \pm 10%	
Apparent Power	850VA	
Frequency	50/60Hz \pm 5%	
GROUND BOND		
Output Rating (DC)	40A/8V max.	
Output Voltage	8V	
Current Measurement Range	1.00-40.00A	
Current Resolution	0.01A	
Current Accuracy	\pm (3% of reading + 3counts)	
Lead Resistance Offset Range	0-100m Ω	
Lead Resistance Offset Resolution	1m Ω	
Lead Resistance Offset Accuracy	\pm (2% of setting + 2 counts)	
Resistance Measurement Range	0-600m Ω	
Resistance Resolution	1m Ω	
Resistance Accuracy	0-600m Ω under 1.00-5.99A	\pm (3% of reading + 3 counts)
	0-600m Ω under 6.00-10.00A	
	0-200m Ω under 10.01-30.00A	\pm (2% of reading + 2 counts)
	0-150m Ω under 30.01-40.00A	
Dwell Timer	0, 0.5-999.9s (0 = continuous)	
Timer Resolution	0.1s	
Timer Accuracy	\pm (0.1% of setting + 0.05s)	
GENERAL		
Remote Input Signal	Test, Reset, Withstand Processing, Memory1, 2, 3, Interlock	
Remote Output Signal	Pass, Fail, Processing, Reset-Out, Start-Out	
Memory	10 memories, 3 steps/memory	
Display	128 x 64 Graphic LCD	
Verification	Build-in software driven verification menu to test fault detection circuits	
Interface	RS-232	
Op./Non-Op. Temp./Humidity	0 to 40°C/-40 to 75°C/20 to 80%RH	
Dimension (W x H x D), mm	215 x 89 x 370	
Weight	5.5kg	
INBOX ACCESSORIES		
Power Cable (10A)*1; Fuse*1; 1137 Ground Bond Output Lead - Alligator Clip (40A)*1; 1138 Ground Bond Return Lead - Alligator Clip (40A)*1; 1505 Interlock Disable Key*1; RS232 Cable*1		

*Product specifications are subject to change without notice

Models

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