














SE Series Electrical Safety Analyzer

The first condenser-type touch-screen tester of the world

Insulation Resistance 6KV/50GΩ and Ground Bond as high as 32A; provided with 4.3-inch multi-touch panel, easy to control; panel provided with keyboard shortcut function, allowing users to activate test mode even if they put on high-voltage gloves; dual-core technology ensuring smooth operation and accurate test, provided with switching power supply to improve loss efficiency; provided protection to the instrument in any cases of city power supply feedback; automatically detecting input voltage 115V or 230V to protect instrument from the damages caused by wrong input voltage.



Enhancing Features

 My Menu	 Continuous	 Multiple Languages	 PLC Remote	 VERICHECK	 Calibration Alert	 Ramp High	 Charge Low	 ARC Detection	 Built-in Scanner
 External Scanner Port	 Test Software	 Barcode							

*Built-in Scanner is a standard function for model SE 7441, an option for model SE 7430, and others model don't be equipment with this function. Continuous function for SE series is ProVOLT.

Safety Features

 Prompt	 Smart GFI	 Interlock
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Support Interfaces

 USB Interface	 RS-232 Interface	 GPIB
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*Note : Please refer to eec website for the USB Disk and barcode can be compatible with SE series.

SE Series Electrical Safety Analyzer

	SE 7430	SE 7440	SE 7441	SE 7450	SE 7452
AC Withstand	●	●	●	●	●
DC Withstand	●	●	●		●
Insulation Resistance	●	●	●	●	●
AC Ground Bond		●	●		●

- DC Hipot test is provided with the patented Discharge DC high-voltage fast discharge device to protect personnel from the electric shock resulted from the residual voltage remaining on the DUT.
- Patented Smart GFI patented smart high voltage electric shock circuit (Pat. 169000) can detect loops at any time to eliminate electrical shock and protect the safety of personnel.
- Patented Ramp High function (Pat. 100859) shortens ramp up time, saves test time, and improves test efficiency.
- Patented Charge Low function (Pat. 106128) can detect a circuit break thereby improves test reliability.
- Provided with 4 levels of permission setting; all test parameters not to be revised without permission to ensure the truthfulness of test results.
- Users are allowed to create their favorites and My Menu to improve efficiency.
- Provided with USB interface to reproduce the setting parameters and output the test results quickly.
- Provided with Barcode interface, allowing users to execute scan test and carry over the DUT's parameters automatically within shorter test duration without connecting to computer.
- Multi-language (English / traditional Chinese / simplified Chinese) interface is provided to facilitate global distribution.
- Users are allowed to define test procedures on their own, conforming to all kinds of requirements prescribed for tests.
- The power on detection will automatically confirm instrument normal output to ensure the reliability of the test.
- Provided with calibration and advance alert setting, reminding users to calibrate instrument regularly for a consistent test quality.
- Compact, height only 2U (8.9cm) to save the space needed for the test.

SE Series Electrical Safety Analyzer

SE 7430 / SE 7440 / SE 7441 / SE 7450 / SE 7452

MODEL	SE 7430	SE 7440	SE 7441	SE 7450	SE 7452
AC WITHSTAND VOLTAGE					
Output Rating	5KVAC / 40mA	5KVAC / 40mA	5KVAC / 40mA	5KVAC / 100mA	5KVAC / 100mA
Output Rating (OPT.7015)	6KVAC / 30mA	6KVAC / 30mA	6KVAC / 30mA	6KVAC / 80mA	6KVAC / 80mA
	Range		Resolution		Accuracy
Output Voltage, KVac	0 - 5.00		0.01	± (1.5% of reading) ≥ 500V ± (1.5% of reading + 1 count) < 500V	
Output Voltage, KVac (OPT.7015)	0 - 6.00				
Output Frequency	50Hz / 60Hz ± 0.1%				
Output Regulation	± (1% of output + 5V), From no load to full load				
Total current, mA	40.00 for SE 7430, SE 7440 & SE 7441 100.0 for SE 7450 & SE 7452		0.001 / 0.01 / 0.1	± (2% of reading + 6 counts)	
Real current, mA				± (3% of reading + 50µA) All Ranges PF > 0.1 , V > 250VAC	
DC WITHSTAND VOLTAGE (SE 7430, SE 7440, SE 7441 & SE 7452 ONLY)					
Output Rating	6KVDC / 10mA	6KVDC / 10mA	6KVDC / 10mA	-	6KVDC / 10mA
Output Rating (OPT.7015)	7.5KVDC / 10mA	7.5KVDC / 10mA	7.5KVDC / 10mA	-	7.5KVDC / 10mA
Output Voltage, KVdc	0 - 6.00		0.01	± (1.5% of reading) ≥ 500V ± (1.5% of reading + 1 count) < 500V	
Output Voltage, KVdc (OPT.7015)	0 - 7.50		0.01		
Current, mA	10		0.001 / 0.01	± (2% of reading + 2 counts)	
INSULATION RESISTANCE					
Output Rating	6KVDC / 50000MΩ				
Output Voltage, Vdc	10 - 6000		1	± (1.5% of reading + 2 counts) at 0 - 1000V ± (2% of reading + 5V) at 1001 - 6000V	
Resistance, MΩ	0.10 - 50000		0.001 / 0.01 / 0.1 / 1		10 - 29V 0.05 - 999.9, ± (15% of reading + 2 counts) 30 - 499V 0.05 - 999.9, ± (7% of reading + 2 counts) 500 - 6000V 0.05 - 999.9, ± (2% of reading + 2 counts) 1000 - 9999, ± (5% of reading + 2 counts) 10000 - 50000, ± (15% of reading + 2 counts)
GROUND BOND (SE 7440 & SE 7441 & SE 7452 ONLY)					
Output Rating	32A / 600mΩ / 8V				
Output AC Current, A	1.00 - 32.00		0.01	± (3% of reading + 3 counts)	
Output AC Current, A(OPT.799)	1.00 - 40.00				
Output Voltage, Vac Open Circuit Mode	3.00 - 8.00		0.01	± (2% of setting + 3 counts) O.C.	
Output Frequency, Hz	50Hz / 60Hz ± 0.1%				
Resistance, MΩ	0 - 200 (10.01 - 32.00A) 0 - 600 (1.00 - 10.00A)		1	± (2% of reading + 2 counts) at current > 3A	

SE Series Electrical Safety Analyzer

SE 7430 / SE 7440 / SE 7441 / SE 7450 / SE 7452

MODEL	SE 7430	SE 7440	SE 7441	SE 7450	SE 7452
GENERAL					
Input Voltage AC	100 - 120Vac / 200 - 240V ± 10% auto range, 50 / 60Hz ± 5%, max. current 6.3A for SE 7430, SE 7440 & SE 7441 100 - 120Vac / 200 - 240V ± 10% auto range, 50 / 60Hz ± 5%, max. current 15A for SE 7450 & SE 7452				
PLC Remote Control	Input: Test, Reset, Interlock, Recall File 1 through 15				
	Output: Pass, Fail, Test-in-Process				
Memory	2000 steps, allow the user create different memories and steps. But each memory limit max. 200 steps and results				
Display	4.3" Color Display (Touch Panel)				
Built-in Scanner Module	OPTION	-	YES	-	-
USB & RS232 Interface	YES	YES	YES	YES	YES
GPIB Interface	OPTION	OPTION	OPTION	OPTION	OPTION
Multinational Language	English / Traditional Chinese / Simplified Chinese / Japanese				
Environment	0 - 40°C, 20 - 80%RH				
Dimension (W × H × D), mm	430 × 88.1 × 400	430 × 88.1 × 400	430 × 133 × 400	430 × 88.1 × 400	430 × 88.1 × 400
Weight	17.6Kg	18.6Kg	19.8Kg	21Kg	23.4Kg

Product specifications are subject to change without notice.