

## INSULATION RESISTANCE TESTER CODE 9456-DR01



- Rapidly assess in as fast as 50 ms
- Quick discharge of residual voltage
- Charge timer function for capacitive loads
- Contact check function and short-circuit check function prevent errors due to poor contact and potential defects
- Comparator function, beep can be set
- Save 10 test files, USB supports file access
- Various communication interfaces to meet automation test requirements

### SPECIFICATION

Output voltage	range	10V~1000V	
	resolution	1V	
	setting accuracy	$\pm(1\%+2d)$	
	readback accuracy	$\pm(2\%+1d)$	
Insulation resistance	range	0.000M $\Omega$ ~9.99G $\Omega$	
	resolution	0.001M $\Omega$ ~1M $\Omega$	
	basic accuracy	$\pm 2\%$	
Measurement speed	contact check	mode off	mode on
	auto range	slow: 2 times/sec medium: 13 times/sec fast: 18 times/sec	slow: 1.9 times/sec medium: 11 times/sec fast: 15 times/sec
	manual range	slow: 2.2 times/sec medium: 18 times/sec fast: 29 times/sec	slow: 2 times/sec medium: 15 times/sec fast: 22 times/sec
List sweep	list count	5 groups	
	discharge time	synchronized setup: 10ms~10s	
	charge time	independent setup: 0.1s~99s	
	test time	independent setup: 0.1s~99s	
	comparator	independent setup: 0.000M $\Omega$ ~10G $\Omega$	
Short-circuit current		<2mA	
Maximum of charging current		1.8mA	
Display result		reading, current, resistance, peak, sorting result, audible and visual alarm	
Interface		Handler interface, RS232 interface, USB interface, RS485 interface	
Operation environment		temperature: 10°C~40°C; relative humidity: 10%~85%	
Power supply		AC 100V~240V, 50Hz/60Hz, 20VA	
Dimension (LxWxH)		264×304×107mm	
Weight		2.25kg	

Test voltage	Range	Accuracy	Resolution
10V≤V <sub>x</sub> <100V	0M $\Omega$ ~4M $\Omega$	$\pm(2\%+5d)$	0.001M $\Omega$
	1.9M $\Omega$ ~40M $\Omega$		0.01M $\Omega$
	19M $\Omega$ ~400M $\Omega$	$\pm(5\%+5d)$	0.1M $\Omega$
100V≤V <sub>x</sub> <500V	0M $\Omega$ ~4M $\Omega$	$\pm(2\%+5d)$	0.001M $\Omega$
	1.9M $\Omega$ ~40M $\Omega$		0.01M $\Omega$
	19M $\Omega$ ~400M $\Omega$	$\pm(5\%+5d)$	0.1M $\Omega$
	190M $\Omega$ ~4G $\Omega$	$\pm(5\%+10d)$	1M $\Omega$
500V≤V <sub>x</sub> ≤1000V	0M $\Omega$ ~4M $\Omega$	$\pm(2\%+5d)$	0.001M $\Omega$
	1.9M $\Omega$ ~40M $\Omega$		0.01M $\Omega$
	19M $\Omega$ ~400M $\Omega$	$\pm(5\%+5d)$	0.1M $\Omega$
	190M $\Omega$ ~4G $\Omega$		1M $\Omega$
	4G $\Omega$ ~9.99G $\Omega$	$\pm(25\%+10d)$	

### STANDARD DELIVERY

Main unit	1pc
Test lead	2pcs
HANDLER connector	1pc
RS232 communication cable	1pc