

# INSULATION RESISTANCE TESTER

## PART NO. 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	.000M $\Omega$ ~9.99G $\Omega$	
	resolution	.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: .1s~99s	
	test time	independent setup: .1s~99s	
	comparator	independent setup: .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: 50°F~104°F; humidity: 10%RH~85%RH		
Power supply	AC 100V~240V, 50Hz/60Hz, 20VA		
Dimension (LxWxH)	10.39x11.97x4.21"		
Weight	4.96lb		

Test voltage	Range	Accuracy	Resolution
10V $\leq$ V $\times$ <100V	0M $\Omega$ ~4M $\Omega$	$\pm(2\%+5d)$	.001M $\Omega$
	1.9M $\Omega$ ~40M $\Omega$		.01M $\Omega$
	19M $\Omega$ ~400M $\Omega$		.1M $\Omega$
100V $\leq$ V $\times$ <500V	0M $\Omega$ ~4M $\Omega$	$\pm(2\%+5d)$	.001M $\Omega$
	1.9M $\Omega$ ~40M $\Omega$		.01M $\Omega$
	19M $\Omega$ ~400M $\Omega$	$\pm(5\%+5d)$	.1M $\Omega$
	190M $\Omega$ ~4G $\Omega$	$\pm(5\%+10d)$	1M $\Omega$
500V $\leq$ V $\times$ $\leq$ 1000V	0M $\Omega$ ~4M $\Omega$	$\pm(2\%+5d)$	.001M $\Omega$
	1.9M $\Omega$ ~40M $\Omega$		.01M $\Omega$
	19M $\Omega$ ~400M $\Omega$		.1M $\Omega$
	190M $\Omega$ ~4G $\Omega$	$\pm(5\%+5d)$	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