

S453 Microhmmeter



FEATURES

High Resolution: 0.01μΩ
Wide current measurement range from 5A to 220A
Standard resistor to conduct accuracy test
Handheld device, rugged and easy-to-operate
High stability with open circuit and overheating protection
Bluetooth connection to achieve instrument control, storage data export, real-time viewing test data.
Computer software: Support exporting storage data, recording test data per second, and controlling instrument testing.



RECEIVER SPECIFICATIONS

Function	Contact resistance tests of high-voltage switches and circuit breakers; connection resistance tests of metallic welding components; circuit resistance tests of conductors; precise low resistance tests.
Power	Built-in 12.6V 9000mAh rechargeable lithium battery
Measurement Method	4-wire measurement
Charger	12.6V/2A
Display	5.6-inch industrial LCD with high-brightness color
Test Interface	I+, I-, U+, U-
Output Current	≤5A, 10A, 30A, 50A, 80A, 100A, 200A (S453), 220A (S453) Step Current: 2.5A, up to 59 current gears.
Measurement Range	≤5A: 1μΩ to 3500mΩ 10A: 0.1μΩ to 200mΩ 30A: 0.1μΩ to 20mΩ 50A: 0.01μΩ to 15mΩ 80A: 0.01μΩ to 10mΩ 100A: 0.01μΩ to 5mΩ 200A: 0.01μΩ~600uΩ 220A: 0.01μΩ~500uΩ

Resolution	0.01 $\mu\Omega$
Accuracy	30A to 220A: 0.01 $\mu\Omega$ to 20m Ω 0.5% $\pm$ 1 $\mu\Omega$
	5A to 10A: 0.1 $\mu\Omega$ to 200m Ω 1% $\pm$ 5dgt
	$\leq$ 5A: 1 $\mu\Omega$ to 3.5 Ω 1% $\pm$ 5dgt
Measurement Time	$\leq$ 100A: fast mode(recommend)、10s, 20s, 30s, 40s、50s, 60s
	> 100A: fast mode
Printer	Optional, press the print button to print the test results
Data Storage	After the completion of the test, the data is automatically and cyclically saved, up to 999 sets of data stored.
Size of the instrument	L312mm $\times$ W188mm $\times$ H85mm
Size of Outer Package	Appro L550mm $\times$ W420mm $\times$ H215mm
Test Leads	Weight of the instrument: appro 2.2kg
	Total Weight: appro 9.3kg
Test Leads	Standard Length: 3m (5m is optional)
	Connecting the test leads to the current port and voltage port with a resistance of less than 10m Ω
Data Delete	Select Format Memory in the setting interface to delete all data
Data Query	Enter the Data Query interface, press the up, down, left, or right keys to browse the stored data
Data Export	Bluetooth connection, Android App to export Excel files
Cloud Service	Android APP, Bluetooth connection; upload on-site pictures and data, generate test report and graph, share test equipment, and view data simultaneously by multiple people
Computer Software	Export test data, continuously record data, display test data in real time, control instrument test
Automatic shut-down	The battery will automatically shut down if no operation within 15 minutes after power on
Battery Voltage	When the symbol“  ”is displayed on the upper right corner of the instrument, it means that the battery power is exhausted, and it will automatically shut down. Please charge it in time.
Backlight	High, medium, and low brightness
Working Current	The current is 230mA in a non-test state
	The current can be set in the test state
Circuit Protection	Open circuit protection, overheat protection
Temperature Protection	By temperature monitoring
Working Temperature and Humidity	-10 $^{\circ}$ C to 50 $^{\circ}$ C; below 90%RH, no condensation

Storage Temperature and Humidity	-10°C to 60°C; below 70%RH
Charging Voltage	12.6V
Safety Standard	IEC61010-1, IEC61326-1; IEC61000-3-2;CAT III 600V、Pollution Level 2, DL/T967-2005Verification regulation of loop resistance tester and DC resistance high-speed tester.



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