

S460+ Microhmmeter



- 4 terminal method
- Low resistance testing
- 3.5-inch color screen; handheld, convenient and easy to operate
- Measuring range: 0.01 mΩ - 100 kΩ;
- Max. resolution: 0.01mΩ
- Tool box withstand pressure: 200kg

DESCRIPTION

S460+ Milliohmmeter is an instrument specifically designed for low resistance testing, its applications can range from testing bonding quality between metal components (i.e. lightning protection belt, ground beam structure, protection, floor bar, water pipe, radiator, toilet, door, and window, balcony, kitchen, etc.) to commissioning and maintenance of substation equipment, where measurements can be made on circuit breakers and bus bar joints. S460+ makes measurements by passing a current through the conductor under test and monitor the voltage across it using the 4 terminal method, thus the results it obtains are accurate as well as reliable. This instrument can be used across various industries with numerous applications.

The instrument also has the function of measuring the length of a cable. It does so by first measuring the resistance of a wire of a standard length, then it tests the resistance of the wire's full length. The instrument will be able to calculate the length of the wire through the resistance of the two tests.

This instrument also comes with a monitoring software, which allows users to upload the data stored in the meter to the computer to save or print.

APPLICATION


Instruments that measure low resistance efficiently and give the result directly are invaluable in many fields and industries. The S460+ is a stable, accurate, and reliable milliohmmeter equally suited from precision laboratory testing to testing in the field.

SPECIFICATIONS

Functions	Equipotential bonding resistance test between metal components, low resistance test, DC resistance test, resistance test of connecting conductor between ground grid and ground pole, contact resistance, rivet's resistance test; wire length test, etc
Power	DC 7.4V 3000mAh rechargeable lithium battery, full battery voltage approx. 8.4V and can work for 8 hours
Test Current	2A max
Measure Method	Precise 4-wire method
Display	3.5-inch true color LCD
Measuring Range	0.01mΩ ~ 100kΩ
Resolution	0.01mΩ
Accuracy	0.01mΩ ~ 100.0mΩ ±2%±10dgt
	100mΩ ~ 100kΩ ±1.5%±5dgt
Lead Wire Length Test	L: ≤100km
Standard Lead Wire Length	Standard lead wire length setting range: 1m~99m
Test Lead Ports	I+ current positive、I- current negative、V+ voltage positive、V- voltage negative
Test Duration	0.5 second per data set

Data Save	900 sets (data will not be lost when replacing the battery or power failure)
Alarm Setting	Alarm critical value range: 0.1mΩ to 100.0 kΩ. If the critical value is 0, the alarm function is not enabled. The alarm function is not enabled in future start-ups as well.
Alarm Warning	When the measured value exceeds the pre-set value, an alarm "beep" will be emitted
Data Hold	Press HOLD to hold and save the data
Measure Wires	5m long, red and black each 1, 2 in total (double wire)
Dimension	207mm×101mm×45mm
Weight	Approx. 3.4 kg
Wire Voltage	Should be avoided
Overload Warning	When the measured value exceeds the measurable range of the instrument, the "OL" symbol will be displayed
Low Battery Warning	When the battery voltage is low, the low battery sign will be displayed, please charge the battery when possible
Ideal Working Conditions	-10 °C ~ 40 °C ; below 80%RH
Ideal Storage Conditions	-10 °C ~ 60 °C ; below 70%RH
Charging Port	USB port
Monitoring Software	Monitoring software can be connected through USB, saved data can be uploaded to a computer for saving and printing
Withstand Voltage	AC 3700V/RMS (between the front and back end of the housing)
Safety Standards	IEC61010-1、CAT III 600V、Pollution class 2、JJG724-1991、JJG166-1993、DL/T967-2005

ACCESSORIES & ORDER DATA

Description	Order Code	Description	Order Code
S460+ Microhmmeter, 1 pc	S460+	Included accessories for S460+	
		Instrument box, 1 pc	
		Monitoring software (CD), 1 pc	
		USB charger and cable, 1 set	
		Measure wire/clamp, 2 pcs (red and black one each)	
		User manual, warranty card, Certificate of Conformity, 1 copy of each	

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