

GPS-

4660C



Using ground-breaking micro-processor technology for safe reliable and precise testing

The GPS-4660C encompasses a portable design convenient for field application, with a rechargeable battery, a clear full-colour screen LCD display, touch screen operation and anti-overload function. Large storage capacity can store 800 sets of data. Widely used in telecommunications, electric power, meteorology, oil fields, power distribution, line transmission and many more industries for testing the quality of mechanically bonded metalwork, contacts and switches, resistance of cables and heating of motors and transformers.

The provided computer software has the capabilities of historical data reading, consultancy, saving, reporting and more...

Key Features

- Constant current 20A
- Maximum resolution: 0.1 $\mu\Omega$
- 5" LCD clear-display touch screen function
- Printer function
- Direct reading (Up to 5 digits)
- Temperature check/conversion
- Tips displayed on screen for guidance and safety
- Remote control through an Android app
- Circuit protection
- Alarm setting function
- Automatic discharge

Applications

- transformer winding resistance
- grounding continuity resistance
- cable & conductor resistance
- contact resistance of switches, connectors and relays
- metal riveting resistance
- winding resistance of coil, motor and transducer
- connection resistance between metal components
- welding point resistance

www.gpslimited.com/4660C
For all enquiries, Tel: +44 (0) 208 964 3600
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DC CURRENT RESISTANCE TESTER 20A

Technical Specifications

GPS-4660C Digital Micro-Ohmmeter		
Resistance ranges	1.0uΩ – 1000.0uΩ (20A) ± 0.2%FS ± 10dgt	1.00mΩ – 50.00mΩ (20A) ± 0.2%FS ± 10dgt
	1.000mΩ – 10.000mΩ (10A) ± 0.2%FS ± 10dgt	10.0mΩ – 100.0mΩ (10A) ± 0.2%FS ± 10dgt
	100.00mΩ – 1000.0mΩ (2A) ± 0.2%FS ± 10dgt	1.000Ω – 10.000Ω (200mA) ± 0.2%FS ± 10dgt
	10.00Ω – 100.00Ω (20mA) ± 0.2%FS ± 10dgt	100.0Ω – 1000.0Ω (2mA) ± 0.2%FS ± 10dgt
	1.00kΩ – 10.00kΩ (1mA) ± 0.2%FS ± 10dgt	10.00kΩ – 100.0kΩ (1mA), constant voltage
	100.0kΩ – 1000.0kΩ (1mA), constant pressure	
Resistance resolution	0.1uΩ	
Overflow display	“OL” symbol display when range overflow	
Accuracy	± 0.2%FS	
Test method	Four-wire	
Test current	20A, 10A, 5A, 1A, 0.1A, 10mA, 1mA (max. short circuit current 20A)	
Temperature detection	External temperature probe, internal temperature sensor, dual sensor design	
Temperature conversion	Convert 75 °C measurement results	
Printer	Instrument panel is embedded with a printer. Press the print key to print the test results.	
Data storage	800 groups	
Automatic shutdown	optional; 5/10/15/20/25/30 minutes	
Display	5-inch touch (854dots x 480dots) full-colour LCD display	
Interfaces	Bluetooth, USB	
Battery	DC14.6V 12000mAh large capacity lithium battery The battery power is displayed in real time, prompting that the battery needs to be charged in time when the voltage is low	
Accessories		
Standard Accessories	Test wires: 2PCS, charger, USB communication cable, temperature probe, aluminium carry case	

Electromagnetic Safety

IEC61010-4-3, radio frequency electromagnetic field_≤1V/m

Safety Standards

IEC61010-1, CAT III 600V, pollution degree 2, JJG724-1991 “Verification Regulations for DC Digital Ohmmeter”, JJG166-1993 “Verification Regulations for DC Resistors”, “DL/T967-2005 Loop Resistance Tester and DC Resistance Fast Tester Verification Regulations”

Power Consumption

Standby: about 4W (30% brightness)
Measurement: 100W Max

Insulation Resistance

More than 10M (500V between the circuit and the shell)

Pressure Resistance

AC 3700V/rms (between the circuit and the case)

General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-4660C	DC Current Resistance Tester (Micro-ohmmeter 20A)	466240

Mass

3.1kg/6.8lbs approx. (including battery)

Dimension

Main unit: 277(L)×227(W)×153(H)mm

Operating

Temp -10°C to 40°, humidity RH<80%

Storage

Temp -10°C to 60°, humidity RH<70%

Services

1-year warranty (subject to product registration with GPS Ltd)
Please contact for more information.

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