

GPS-

# 4660A/4660B



## A rugged, low resistance tester designed for both plant maintenance and field use.

The GPS-4660A micro-ohmmeter provides reliable, accurate measurements due to its test current of up to 10A (20A for model 4660B). This accuracy is ensured through use of the 4-wire method which eliminates the effects of the leads' resistances and the contact resistances and the possibility of reversing the polarity of the measurement current, thus eliminating the effects of possible interference voltages.

Measurements accuracy is guaranteed by the state-of-the-art system for signal amplification, offset-free and with long-term stability. The equipment has a USB interface that allows to download the measured values to a computer for their later analysis.

### Key Features

- Microprocessor controlled
- Accuracy: 0.2% reading
- Temperature compensation
- Resolution: 0.1 $\mu\Omega$
- Resistance reading: up to 50 K $\Omega$
- Direct reading (Up to 5 digits)
- Up to 10A current (20A for model 4660B)
- Powered by rechargeable battery
- Kelvin-type (4-wires) measurement
- True LCD touchscreen (4660B)
- Remote control through an Android app

### 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/4660](http://www.gpslimited.com/4660)  
For all enquiries, Tel: +44 (0) 208 964 3600  
Email: [info@gpslimited.com](mailto:info@gpslimited.com)

# DC CURRENT RESISTANCE TESTER 10A/20A

## Technical Specifications

GPS-4660 Digital Micro-Ohmmeter	
<b>Test currents</b>	4660A: 10A, 5A, 1A, 100mA, 10mA, 1mA, Automatic
	4660B: 20A, 10A, 1A, 100mA, 10mA, 2mA, 1mA, Automatic
<b>Resistance ranges</b>	<b>4660A</b>
	<b>4660B</b>
<b>Accuracy of test current</b>	± 3%
<b>Measurement principle</b>	Precision 4-wire method, 2 channel A/D detecting simultaneously
<b>Basic accuracy of resistance measurement</b>	± 0.2 % of reading ± 2 digits
<b>Temperature measurement</b>	Range: -55°C~125°C; Accuracy: ±0.5°C
<b>Memory Capacity</b>	600 groups (data will not be lost after power failure or battery replacement)
<b>Advanced features</b>	Alarm setting, Alarm indication, Test indication, Charge indication, Data Hold, Backlight adjust, Clock function, Discharge function
<b>Conversion Resistance Calculation</b>	Calculated according to the temperature and material of the tested product.
<b>Protection level</b>	IP65 (case closed)
<b>Safety Standard</b>	IEC61010-1, CAT III 600V, Pollution Level 2, JIG724-1991, JIG166-1993, DL/T967-2005
<b>Power supply</b>	4660A: DC 7.4V 5200mAh, rechargeable lithium battery, full charge about 8.4V 4660B: DC 7.4V 7800mAh, rechargeable lithium battery, full charge about 8.4V
<b>Screen</b>	480 x 854 true colour LCD touch-screen (4660B), LCD mono display (4660A)
Accessories	
<b>Standard Accessories</b>	Test wires: 2PCS, Charger, Temperature sensor, USB communication cable, Tool bag

## General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-4660A	DC Current Resistance Tester (Micro-ohmmeter 10A)	466000
GPS-4660B	DC Current Resistance Tester (Micro-ohmmeter 20A)	466120

**Mass**  
4.6kg/10.1lbs approx. (main unit and accessories)

**Dimension**  
Main unit: 280(L)×260(W)×160(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.

www.gpslimited.com/4660  
For all enquiries, Tel: +44 (0) 208 964 3600  
Email: info@gpslimited.com