

4660A



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 . 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
- Resolution: 0.1 $\mu\Omega$
- Range: 1.0 $\mu\Omega$ ~ 50.00k Ω
- Direct reading (Up to 5 digits)
- Up to 10 A current
- Powered by rechargeable battery
- Kelvin-type (4-wires) measurement
- Alarm Function
- 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
For all enquiries, Tel: +44 (0) 208 964 3600
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DC CURRENT RESISTANCE TESTER 10A

Technical Specifications

GPS-4660 Digital Micro-Ohmmeter	
Test currents	10A, 5A, 1A, 100mA, 10mA, 1mA, Automatic
Resistance ranges	200.0μΩ ~50.00KΩ @ 10 A, 0.1μΩ resolution AUTO 200.0μΩ ~20.00mΩ @ 10 A, 10.00mΩ~200.00mΩ @ 5 A, 100.0mΩ ~2.000Ω @ 1 A, 1.000Ω ~20.00Ω @ 100 mA, 10.00Ω ~200.00Ω @ 10 mA, 100.0Ω ~50.00K @ 1 mA,
Accuracy of test current	± 3%
Measurement principle	Precision 4-wire method, 2 channel A/D detecting simultaneously
Basic accuracy of resistance measurement	± 0.2 % of reading ± 2 digits
Temperature measurement	Range: -55°C~125°C; Accuracy: ±0.5°C
Memory Capacity	600 groups (data will not be lost after power failure or battery replacement)
Advanced features	Alarm setting, Alarm indication, Test indication, Charge indication, Data Hold,, Discharge function
Conversion Resistance Calculation	Calculated according to the temperature and material of the tested product.
Protection level	IP65 (case closed)
Safety Standard	IEC61010-1, CAT III 600V, Pollution Level 2, JJG724-1991, JJG166-1993, DL/T967-2005
Power supply	4660A : DC 22.2V 5200mAh, rechargeable lithium battery,
Screen	480 x 854 LCD
Accessories	
Standard Accessories	Test wires: 2PCS, Charger, 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

Mass
5.8kg/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.

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