

Digital Micro Ohms Meter / DC Resistance Tester PRO 7273



PRODUCT FUNCTION

The Metravi PRO 7273 DC Resistance Tester/ Microohms Meter adopts microprocessor technology and precise 4-wire method for accurate & reliable testing,

For measuring transformer winding resistance, grounding continuity resistance, cable conductor resistance, contact resistance of switches, connectors and relays, metal riveting resistance, winding resistance of coil, motor, transformer, connection resistance between metal components, welding point resistance, battery parallel connection resistance and wire length measurement & calculation, etc.

PRODUCT FEATURES

- Adopts a waterproof protective case, which is anti-collision, anti-drop, waterproof (protection grade IP65).
- Equipped with a large-capacity rechargeable lithium battery pack, which is especially suitable for use in outdoor construction sites.
- Adopts a waterproof protective case, which is anti-collision, anti-drop, waterproof (protection grade IP65).
- Equipped with a large-capacity rechargeable lithium battery pack, especially suitable for use in outdoor construction sites.
- Automatic and Manual modes. In the automatic measurement mode, the tester automatically selects the range gear and test current. In the manual mode, there are 7 range gear selections to meet the requirements of users in different sites.
- Function for converting Resistance at temperature 75°C, which can be compensated & converted according to the temperature and material of the tested sample.
- Automatic discharge function, which discharges automatically after the test, and the discharge indication is clear to avoid mis-operation.
- Large LCD screen, which displays the test resistance value and current value on the same screen.
- Bluetooth communication function, which can perform test operations or view test results on the mobile phone after installing the free APP, and particularly convenient for using on-site.
- Stores 600 groups of data.
- Connect to the computer and upload the stored data through the USB interface and monitoring software.
- The monitoring software has the functions of reading, viewing, saving, reporting, and printing historical data etc.

*Technical Specifications & Appearance are subject to change without prior notice

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TECHNICAL SPECIFICATIONS

Measurement Range and Accuracy

Measurement Range	Accuracy	Resolution	
1.0uΩ~1000.0uΩ	0.2%±2uΩ	0.1uΩ	Error range base conditions: 25°C ±5°C The maximum error in the working environment is not more than 2 times
1.000mΩ~10.000mΩ	0.2%±0.02mΩ	1uΩ	
10.00mΩ~100.00mΩ	0.2%±0.2mΩ	0.01mΩ	
100.0mΩ~1000.0mΩ	0.2%±2mΩ	0.1mΩ	
1.000Ω~10.000Ω	0.2%±0.02Ω	0.001Ω	
10.00Ω~100.00Ω	0.2%±0.2Ω	0.01Ω	
100.0Ω~1000.0Ω	0.2%±2Ω	0.1Ω	
1.00kΩ~50.00kΩ	0.2%±0.2kΩ	0.01kΩ	

Measurement Range and Test Current

Measurement Range	Accuracy
1.0uΩ~50.00kΩ	Auto
1.0uΩ~20.00mΩ	10A
10.00mΩ~200.0mΩ	5A
100.0mΩ~2.000Ω	1A
1.000Ω~20.00Ω	100mA
10.00Ω~200.0Ω	10mA
100.0Ω~50.00kΩ	1mA



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Digital Mirco Ohms Meter / DC Resistance Tester PRO 7273

TECHNICAL SPECIFICATIONS

Test Method	: Precision 4-wire method, 2-channel A/D simultaneous detection
Test Mode	: Automatic or Manual
Power Supply	: DC 22.2V 5200mAh, rechargeable battery, full charge 25.2V
Max. Resolution	: 0.1uΩ
Output Voltage Test	: 24V MAX
Current Gear	: 10A, 5A, 1A, 100mA, 10mA, 1mA, Auto
Sampling AD rate	: 1s/ time
Alarm Setting	: Alarm threshold setting range: 1mΩ~2500Ω, 0Ω does not start up the alarm function, the tester will not start up the alarm function every starting up the tester.
Alarm Indication	: When the test value exceeds the alarm setting value, the buzzer will alarm prompt.
Overflow Indication	: Over range overflow function: over limit display digital:9999
Charge Indication	: The indicator light on the charger lights up red when charging, and lights up green when fully charged.
Low Voltage Indication	: When the battery voltage drop to DC22.2V±0.1V, will display low power symbol, and remind the tester charge in time.
Data Storage	: 600 groups (power down or replace battery will not lose the data)
Date Hold	: Automatically hold displaying the measured results after each testing
Compensation	: With the function of resistance conversion at 75°C, which can be compensated and converted according to the temperature and material of the tested sample
Discharge Function	: Automatic discharge after testing, clear discharge indication to avoid mis-operation.
Automatic Shutdown	: Automatic shutdown after 15 minutes without any operation
Test Wires	: 1pc each of red and black test leads
Display	: 108mm x 65mm Backlit Colour LCD
Dimensions	: 280mm×260mm×160mm (only meter)
Weight	: Total weight:5.8kg (with accessories)
Working Environment	: -10°C~40°C; Below 80%RH
Storage Environment	: -10°C~60°C; Below 70%RH
Protection Level	: IP65 (closed case)
Interface	: Bluetooth, USB (install the monitoring software, and stored data can be uploaded to PC/Smartphone)
Withstand Voltage	: AC 3700V/RMS (between the case and the screw)
Safety Standards	: IEC61010-1, CAT III 600V, pollution degree 2, JJG724-1991 DC digital ohmmeter verification procedure, JJG166-1993 DC resistance verification procedure, DL/T967-2005 DL/T967-2005 loop resistance tester and DC resistance fast Tester verification procedure.
Accessories	: Red Test Lead, Black Test Lead, USB Cable, Charger, Software CD, User Manual, Soft Padded Carrying Case

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