

Digital Mirco Ohms Meter / DC Resistance Tester PRO 7274

PRODUCT FUNCTION

The Metravi PRO 7274 DC Resistance Tester/ Microohms Meter adopts microprocessor technology, precise 4-wire method for accurate & reliable testing.

Features a 5-inch full-colour, high-definition touch screen, with backlight adjustment function; which is also clearly visible under strong light. An IP65 certified housing adopts a waterproof protective case, which is anti-collision, anti-drop, safe and durable.

The PRO 7274 is also equipped with a built-in printer, Bluetooth communication, USB interface, an automatic discharge function, alarm function, clock function, automatic shutdown function, etc.

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

- The tester has two power supply modes: AC 220V and large-capacity lithium built-in rechargeable battery, to meet the user's requirements in various testing environments.
- Two measurement modes: Automatic measurement mode: the test current can be automatically selected according to the load. Manual measurement mode: There are 6 test current gears of 10A, 5A, 1A, 100mA, 10mA, 1mA.
- Max output voltage 24V, Max test current 10A, the test speed is fast and suitable to transformer measurement.
- 5 inch true colour LCD touchscreen.
- Operatable with touchscreen as well as buttons.
- Equipped with a built-in printer, which can print the measurement results on site.
- With Bluetooth communication function, which can perform test operations or help view the test result on the mobile phone after installing the free Smartphone APP.
- USB interface and monitoring software, for reading, viewing and saving test results, as well as reporting and printing the historical data after connecting and communicating with the computer.
- Automatic discharge after the test, and the discharge indication is clear to avoid mis-operation.
- Resistance conversion function at 75°C, which can be compensated and converted according to the temperature and material of the tested sample.
- Alarm function, which can set the Resistance alarm value.
- Automatic shutdown after 15 minutes without any operation.
- The instrument housing is a waterproof, protective case, which is anti-collision, anti-drop, waterproof, safe and durable.
- It is an ideal instrument for quickly measuring the transformer DC Resistance.

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



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PRO 7274

TECHNICAL SPECIFICATIONS

Test Method	Precision 4-wire method, 2-channel A/D simultaneous detection	
Test Modes	Automatic; Manual	
Display	480X854 px resolution 5 inch true colour LCD touchscreen	
Power Supply	AC 220V Mains Operatable; DC 22.2V 5200mAh Rechargeable Battery	
Measurement Range	200.0uΩ~50.00KΩ	Auto
	200.0uΩ~20.00mΩ	10A
	10.00mΩ~200.0mΩ	5A
	100.0mΩ~2.000Ω	1A
	1.000Ω~20.0Ω	100mA
	10.00Ω~200Ω	10mA
	100.0Ω~50.0kΩ	1mA
Max. Resolution	0.1uΩ	
Measurement Accuracy	0.2%±2dgt	
Wire Length Test	L : ≤99999m	
Current Test Gears	Auto, 10A, 5A, 1A, 100mA, 10mA, 1mA	
Output Voltage	24V Max	
Temperature Measurement Range	-55°C ~ 125°C	
Temperature Accuracy	±0.5°C	
Measurement Time	Sampling AD rate 1s/ time	
Alarms	Alarm Setting, Alarm Indication, Overflow Indication, Charge Indication, Low Voltage Indication	
Data Storage / Logging	600 groups (power down or battery replacement will not lose the data)	
Data Hold	Automatic	
Calculate Converted Resistance	Conversion according to the temperature and material of the tested product	
Discharge Function	Automatic	
Operating Environment	-10°C ~ 40°C; Below 80%RH	
Storage Environment	-10°C ~ 60°C; Below 70%RH	
Protection	IP65 Dust Proof and Waterproof (with case closed)	
Printer	Built-in	
Bluetooth	Yes, helps sync with free Smartphone App	
USB Interface	Helps with installing the monitoring software and upload stored data to computer	
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)	
Dimensions	280mm×260mm×160mm	
Weight	6.4kg (with accessories)	
Accessories	Test Lead Red (10mts), Test Lead Black (10mts), Earth Line, Alligator Clip, Power Cable, USB Cable, Temperature Sensor, Printing Paper (1 roll), 3.75Ω Standard Resistance, User Manual, Software CD	

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|--|-----------------------|
| 1. Temperature Sensor interface | 8. Waterproof Case |
| 2. Voltage Electrode Positive Interface (U+) | 9. Touchscreen LCD |
| 3. Voltage Electrode Negative Interface (U-) | 10. Power on/off key |
| 4. Earth Electrode Interface | 11. Charge indication |
| 5. Current Electrode Negative Interface(I-) | 12. Function key |
| 6. Current electrode positive interface(I+) | 13. Printer |
| 7. 220V Power supply interface | 14. USB interface |



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