

PROVA 730 Micro-Ohmmeter

CE



★ **Precision Micro-Ohmmeter** – Built for Field Accuracy and Compliance.

★ **Application** - ideal for:

- (1) Contact resistance of breakers, switches, and busbars.
- (2) Bonding verification in aerospace and railway systems.
- (3) Transformer and motor winding resistance.
- (4) Weld integrity and grounding system checks.

★ Engineered for **low-resistance diagnostics** in demanding environments, this instrument combines cutting-edge measurement performance with rugged portability and intelligent safety features.

Features:

1. True **4-wire** Kelvin resistance measurement for high-accuracy results.
2. Maximum test current: **10A**, optimized for **2 mΩ** and **20 mΩ** ranges.
3. Ultra-fine resolution: **0.1 μΩ**.
4. Basic accuracy: **±0.1%**, ideal for compliance-critical applications.
5. Abundant **test leads** included: Kelvin clips, Double prods and Alligator clips leads.
6. **Flexible connection** options for varied DUT geometries and field setups.
7. **HI-LO limit** testing with **PASS/FAIL** judgment and buzzer alert.
8. **ΔEMF mode** eliminates thermal electromotive interference.
9. Reading **HOLD** and **zero-adjustment** functions enhance usability.
10. **4½-digit LCD** with optional **backlight** for clear visibility in any lighting.
11. **Battery level** indicator and **charging function** for uninterrupted operation.
12. 7000mAh **lithium battery** and automatic temperature-controlled fan cooling.
13. Built-in protection against live DUT measurement.
14. Safeguards against insufficient or excessive current.
15. Designed to meet safety standards for both lab and field environments.
16. Suitable for production line QC, R&D labs, and mobile field diagnostics.
17. Backed by a **2-year** manufacturer warranty.
18. Combines exceptional accuracy with portable design for seamless field usability.
19. Adopt the most **up-to-day** technology to reduce weight, lower costs, and enhance performance.
20. **Safety rating:** IEC/EN 61010-1 CAT III 50V.

Electrical Specifications: (23+/- 5°C)

(The total internal resistance of the test leads shall not exceed 200mΩ.)

RESISTANCE measurement:

Range		Resolution	Accuracy	Test Current
2mΩ	0.0000~2.0000mΩ	0.1μΩ	±0.15%±1.0μΩ	10A
20mΩ	0.000~20.000mΩ	1μΩ	±0.1%±3μΩ	10A
200mΩ	0.00~200.00mΩ	10μΩ	±0.1%±30μΩ	1A
2000mΩ	0.0~2000.0mΩ	100μΩ	±0.1%±300μΩ	100mA
20Ω	0.000~20.000Ω	1mΩ	±0.1%±3mΩ	10mA
200Ω	0.00~200.00Ω	10mΩ	±0.1%±30mΩ	1mA
2000Ω	0.0~2000.0Ω	100mΩ	±0.1%±300mΩ	100μA

General Specifications:

Power Source:	Rechargeable Lithium Battery 7000mAh (11.1V)
Battery Recharging Time:	8 hours
AC adaptor: (for Battery Charging only)	AC 110V / 220V input, DC 15V / 4A output (Please note: DC is positive inside and negative outside.)
LCD Display:	4 1/2 Digit LCD + Backlight
Dimension:	257 (L) x 155 (W) x 57 (H) mm
Weight:	1.34 kg / 3.0 lbs (Battery included)
Operation Environment:	0°C ~ 50°C, ≤85% RH
Storage Environment:	-20°C ~ 60°C, ≤75% RH
Standard Accessories:	Rechargeable Lithium Battery x 1 AC adaptor x 1 User Manual x 1 Kelvin clip test leads x 1 set Kelvin alligator clip test leads x 1 set 4-wire double prod test leads x 1 set Alligator clips (black & red) test leads x 2 sets

PROVA**PROVA INSTRUMENTS INC.**

Add: 6F-2, No. 129, Lane 235, Pao-Chiao Road,
Shin-Tien District, New Taipei City 23145,
Taiwan

Tel: 886-2-89191255 **Fax:** 886-2-89191489

E-mail: prova@ms3.hinet.net

www.prova.com.tw