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: **±0.05%**, ideal for compliance-critical applications.
5. **HI-LO limit** testing with **PASS/FAIL** judgment and buzzer alert.
6. △**EMF mode** eliminates thermal electromotive interference.
7. Reading **HOLD** and **zero-adjustment** functions enhance usability.
8. **4½-digit LCD** with optional **backlight** for clear visibility in any lighting.
9. **Forced fan cooling** for thermal stability, product reliability, and customers confidence.
10. 7000mAh **lithium battery** and automatic temperature-controlled fan cooling.
11. Built-in protection against live DUT (DCV) measurement.
12. Safeguards against insufficient or excessive current.
13. Backed by a **2-year** manufacturer warranty.
14. Abundant accessories of **test leads** included: Kelvin clips, Double prods and Alligator clips leads, for varied DUT geometries and field setups.
15. Designed to meet the Lab. precision and industrial working environment requirements.
16. Delivers world-class measurement precision and build quality, comparable to instruments in the US$5,000 class.
17. Adopt the most **up-to-day** technology to reduce weight, lower costs, and enhance performance.
18. **Safety rating:** IEC/EN 61010-1 CAT III 50V.

Electrical Specifications: (23+/- 5℃)

(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	±0.05±3μΩ	10A
200mΩ	0.00~200.00mΩ	10μΩ	±0.05%+30μΩ	1A
2000mΩ	0.0~2000.0mΩ	100μΩ	±0.05%+300μΩ	100mA
20Ω	0.000~20.000Ω	1mΩ	±0.05%+3mΩ	10mA
200Ω	0.00~200.00Ω	10mΩ	±0.05%+30mΩ	1mA
2000Ω	0.0~2000.0Ω	100mΩ	±0.05%+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 (Battey included)
Operation Environment:	0℃ ~ 50℃, ≤85% RH
Storage Environment:	-20℃ ~ 60℃, ≤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

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