

PROVA 700 Milli-Ohmmeter (5A)

PROVA 710 Micro-Ohmmeter (10A)

Features

- Max. test current : 5A for **PROVA 700**.
- Max. test current : 10A for **PROVA 710**.
- Four terminal Kelvin measurement.
- Best resolution 1 $\mu\Omega$.
- Basic accuracy 0.25%.
- Manual or Auto Range.
- Measurement of resistive and inductive materials.
- Programmable Hi-Lo alarm with memory of 20 data.
- Readings HOLD function.
- Cable length measurement.
- Memory of 3,000 measurement data.
- Large LCD with backlight.
- Rechargeable batteries and AC adaptor :
Rechargeable batteries for **PROVA 700**.
Rechargeable lithium battery for **PROVA 710**.
- Low battery (voltage) alarm.
- Low power consumption.
- RS232C (to USB bridge) cable.
- Built-in calendar clock.
- Built-in battery charging circuit.

Application

- Coil resistance of Electric motor.
- Contact resistance of Switch and Relay.
- Resistance of Bus bar, Breaker, Fuse, Inductance and Shunt.



Electrical Specifications (23°C ± 5°C)

1. Auto Range:

	Range	Resolution	Accuracy
10 A (PROVA 710)	400 $\mu\Omega$ ~ 60.000m Ω	1 $\mu\Omega$	$\pm 0.25\% \pm 25\mu\Omega$
5 A (PROVA 700)	1.000 m Ω ~ 8.000 m Ω	1 $\mu\Omega$	$\pm 0.25\% \pm 25\mu\Omega$
	8.00 m Ω ~ 120.00 m Ω	10 $\mu\Omega$	$\pm 0.25\% \pm 250\mu\Omega$
1 A	4.00 m Ω ~ 600.00 m Ω	10 $\mu\Omega$	$\pm 0.25\% \pm 250\mu\Omega$
100 mA	0.0400 Ω ~ 6.0000 Ω	100 $\mu\Omega$	$\pm 0.25\% \pm 2.5$ m Ω
10 mA	0.400 Ω ~ 60.000 Ω	1 m Ω	$\pm 0.25\% \pm 25$ m Ω
1 mA	4.00 Ω ~ 600.00 Ω	10 m Ω	$\pm 0.25\% \pm 250$ m Ω
100 uA	0.0400 k Ω ~ 6.0000 k Ω	100 m Ω	$\pm 0.75\% \pm 3$ Ω



<http://www.prova.com.tw>

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PROVA 700 Milli-Ohmmeter (5A)

PROVA 710 Micro-Ohmmeter (10A)

Electrical Specifications (23°C ± 5°C)

2. Manual Range:

	Range	Resolution	Accuracy
10 A (PROVA 710)	400μΩ ~ 4000μΩ	1 μΩ	±0.25%±25μΩ
	1.500 mΩ ~ 16.000 mΩ	1 μΩ	±0.25%±25μΩ
	5.000 mΩ ~ 60.000 mΩ	1 μΩ	±0.25%±25μΩ
5 A (PROVA 700)	1.000 mΩ ~ 8.000 mΩ	1 μΩ	±0.25%±25μΩ
	5.00 mΩ ~ 32.00 mΩ	10 μΩ	±0.25%±250μΩ
	10.00 mΩ ~ 120.00 mΩ	10 μΩ	±0.25%±250μΩ
1 A	4.00 mΩ ~ 40.00 mΩ	10 μΩ	±0.25%±250μΩ
	15.00 mΩ ~ 160.00 mΩ	10 μΩ	±0.25%±250μΩ
	50.00 mΩ ~ 600.00 mΩ	10 μΩ	±0.25%±250μΩ
100 mA	0.0400 Ω ~ 0.4000 Ω	100 μΩ	±0.25%±2.5 mΩ
	0.1500 Ω ~ 1.6000 Ω	100 μΩ	±0.25%±2.5 mΩ
	0.5000 Ω ~ 6.0000 Ω	100 μΩ	±0.25%±2.5 mΩ
10 mA	0.400 Ω ~ 4.000 Ω	1 mΩ	±0.25%±25 mΩ
	1.500 Ω ~ 16.000 Ω	1 mΩ	±0.25%±25 mΩ
	5.000 Ω ~ 60.000 Ω	1 mΩ	±0.25%±25 mΩ
1 mA	4.00 Ω ~ 40.00 Ω	10 mΩ	±0.25%±250 mΩ
	15.00 Ω ~ 160.00 Ω	10 mΩ	±0.25%±250 mΩ
	50.00 Ω ~ 600.00 Ω	10 mΩ	±0.25%±250 mΩ
100 uA	0.0400 kΩ ~ 0.4000 kΩ	100 mΩ	±0.75%±3 Ω
	0.1500 kΩ ~ 1.6000 kΩ	100 mΩ	±0.75%±3 Ω
	0.5000 kΩ ~ 6.0000 kΩ	100 mΩ	±0.75%±3 Ω

General Specifications

Power Source (Rechargeable Battery)	PROVA 700: 2500mAh (1.2V) x 8 PROVA 710: 3800mAh (11.1V lithium) x 1
Battery Recharging Time	10 hours
AC Adaptor	AC 110V or 220V input DC 12V / 1~3A output
LCD Display	4 5/6 Digit LCD + Backlight
Dimension	257(L) x 155(W) x 57(H) mm
Weight	1160g / 40.0oz (Batteries included)
Operation Environment	0°C ~ 50°C, 85% RH
Storage Environment	-20°C ~ 60°C, 75% RH
Standard Accessories	User Manual x 1 RS232C (to USB Bridge) Cable x 1 AC adaptor x 1, Kelvin Clips x 1 set Software CD x 1, Software Manual x 1 PROVA 700: Rechargeable batteries x 8 PROVA 710: Rechargeable lithium battery x 1
Option	4-wire Test Leads

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Kelvin Clips



Lithium Battery

