

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



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