

PROVA 700 Milli-Ohmmeter



FEATURES

- Best resolution $1\mu\Omega$. Accuracy 0.05%
- 5A (120 m Ω) max. test current.
- Manual or Auto Range. (There are 6 ranges of current measurement, and furthermore 3 ranges in each current range.)
- Measurement of resistive and inductive materials (Two terminal measurement; Four terminal Kelvin measurement)
- Programmable Hi-Lo alarm with memory of 20 data.
- Auto-judgments of Hi (readings higher than Hi-Limit), Lo (readings lower than Lo-Limit) and Pass (readings between Hi-Lo Limits). Alarm (beeper) for Hi and Lo.
- Readings Hold function.
- Cable length measurement. The length unit can be selected between Meter (M) and Feet (FT).
- Resistance measurement results excluding cable resistances.
- Memory of 3,000 measurement data.
- Large LCD (5-digit) with backlight (users can choose to disable it).
- Rechargeable batteries and AC adaptor.
- Low battery (voltage) alarm.
- Low power consumption.
- Communicate with PC via RS232C (to USB bridge) cable.
- Application: various low-resistance (cables) measurement; contact resistance measurement, ...etc.



Electrical Specifications (23°C±5°C)

Manual Range:

	Range	Resolution	Accuracy
5A	1.000 mΩ ~ 8.000 mΩ	1 uΩ	±0.25%+25 uΩ
	5.00 mΩ ~ 32.00 mΩ	10 uΩ	±0.25%+250 uΩ
	10.00 mΩ ~ 120.00 mΩ	10 uΩ	±0.25%+250 uΩ
1A	4.00 mΩ ~ 40.00 mΩ	10 uΩ	±0.25%+250 uΩ
	15.00 mΩ ~ 160.00 mΩ	10 uΩ	±0.25%+250 uΩ
	50.00 mΩ ~ 600.00 mΩ	10 uΩ	±0.25%+250 uΩ
100 mA	0.0400 Ω ~ 0.4000 Ω	100 uΩ	±0.25%+2.5 mΩ
	0.1500 Ω ~ 1.6000 Ω	100 uΩ	±0.25%+2.5 mΩ
	0.5000 Ω ~ 6.0000 Ω	100 uΩ	±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%+500 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

Auto Range:

	Range	Resolution	Accuracy
5A	1.000 mΩ ~ 8.000 mΩ	1 uΩ	±0.25%+25 uΩ
	8.00 mΩ ~ 120.00 mΩ	10 uΩ	±0.25%+250 uΩ
1A	4.00 mΩ ~ 600.00 mΩ	10 uΩ	±0.25%+250 uΩ

100 mA	0.0400 Ω ~ 6.0000 Ω	100 $\mu\Omega$	$\pm 0.25\% + 2.5 \text{ m}\Omega$
10 mA	0.400 Ω ~ 60.000 Ω	1 m Ω	$\pm 0.25\% + 25 \text{ m}\Omega$
1 mA	4.00 Ω ~ 600.00 Ω	10 m Ω	$\pm 0.25\% + 250 \text{ m}\Omega$
100 μA	0.0400 k Ω ~ 6.0000 k Ω	100 m Ω	$\pm 0.75\% + 3 \text{ }\Omega$

General Specifications:

Battery Type:	Rechargeable, 2700mAh (1.2V) x 8
Battery Recharging Time:	10 hours
AD Adaptor:	12V DC 2A
LCD Display:	4 5/6 Digit LCD + Backlight
Dimension:	257 (L) x 155 (W) x 57 (H) mm
Weight:	v1160g / 40.0oz (Batteries included)
Operation Environment:	-10°C ~ 50°C, 85% RH
Storage Environment:	-20°C ~ 60°C, 75% RH
Accessories:	Users manual x 1 RS232C (to USB Bridge) Cable x 1 Rechargeable batteries x 8 AC adaptor x 1 Software CD x 1 Software Manual x 1 Kelvin Clips x 1 set