



AMT 13

Agam Micro Ohm Tester



- 1A Current Range
- High Resistance Range from 1 μ Ohms to 300KOhms
- Data Storage upto 499 Readings
- Compact meter offers good portability
- Software facility for data reading/saving & report generation

AMT 13 Micro Ohm Tester is designed with microprocessor technology and 4-wire testing method, which ensures safety and delivers accurate and reliable testing results. The Meter is mainly used to measure the conductor resistance of cable; the contact resistance of switch, connector, and relay; the riveting resistance of metal, and to test the connection resistance between metallic components; the low resistance, the resistance of connection conductors between the ground poles of grounding grid; the contact resistance; etc.

Model	Range	Accuracy	Resolution	Max. testing current
AMT 13	0.001m Ω ~10.000m Ω	18°C~28°C; <75%rh: $\pm(0.1\%FS+20dgt)$	0.001m Ω	1A
	10.01m Ω ~100.00m Ω		0.01m Ω	1A
	100.1m Ω ~1000.0m Ω		0.1m Ω	100mA
	1.001 Ω ~10.000 Ω		0.001 Ω	10mA
	10.01 Ω ~100.00 Ω		0.01 Ω	1mA
	100.1 Ω ~1000.0 Ω		0.1 Ω	100uA
	1.001K Ω ~10.000k Ω		0.001k Ω	10uA
	10.01K Ω ~100.00k Ω		0.01k Ω	10uA
	100.1K Ω ~300.0k Ω		0.1k Ω	3uA

Testing method	4-wire method
Testing current	$\leq 1A$
Open-circuit voltage	4.2V

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Tel.: +91 253 2202099/28 | E-mail: marketing@rishabh.co.in | web: www.rishabh.co.in

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General Specifications:

Power	Measurement power : 8W
Power supply	DC 3.7V 3200mAh rechargeable lithium battery
Backlight	Adjustable backlight on grey screen (Suitable for use in dark environments)
Display	LCD display with backlit grey screen
LCD size	102mm × 50mm (Length × Width)
Meter dimensions	161mm × 117mm × 63mm (Length × Width × Height)
Length of test lead	About 70cm (Red ×1; Black × 1)
Measurement speed	About 2 times/s
USB port	With Type-C port
Communication cable	Type-C cable (1 pc)
Data storage	499 groups of data ("SAVE" appears to indicate data storage. "FULL" is displayed to indicate full storage.)
Data reading	Data reading function: "READ" is displayed
Over range indication	Over range function: "OL" is displayed
Displaying battery power)	Displaying battery power in real time (If the remaining battery power is less than 25% of fully-charged battery power, please charge the battery in time)
Auto power off	Powering off automatically 15 minutes of inactivity, with the symbol "APO" as an indication.
Power consumption	Standby: About 110mA (Backlight off) Backlight is ON when the Meter is turned on: About 130mA (Backlight on) Measurement: About 1.1A Max
Weight	Meter: about 590g (including battery) Test lead: about 145g
Operating temperature and humidity	-10~50°C; <75% Rh
Storage temperature and humidity	20~60°C; <75% Rh
Certification	CE Certified
Applicable standards	IEC61010-1, Pollution Degree 2

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Reference conditions

- Ambient temperature: 23 ± 5 °C
- Ambient humidity: 45~75 % RH
- External magnetic field: None (Earth's magnetic field)
- Battery voltage: Available effective battery voltage
- Temperature coefficient: A testing error of $\pm 0.01\%$ will be added per degree (Celsius) if test is performed in temperature of $>28^{\circ}\text{C}$ or $<18^{\circ}\text{C}$.

Accessories:

Carrying case	1 pc
USB-C cable	1 pc
Test leads	2 pcs (Red \times 1; Black \times 1)
Charger	1 pc
User manual	1 pc
Straps	1 pc
Software	Available on website

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