AMPROBE®

BAT-500
Battery Capacity Tester

Quick and accurate battery testing without taking the batteries off line. Comparator function with pass/fail indication speeds testing of batteries up to 500Ah. Typical applications include but are not limited to power back-up and UPS systems.

- **Tests battery capacity to calculate its true life**
- **Works with most batteries, compact storage batteries, alkaline and lead-acid up to 500Ah**
- **Resistance measurement up to 40 ohms, and voltage up to 40V**
- **Tests are performed without shutting down a battery**
- **Simultaneously measure battery resistance and voltage**
- **Comparator function to quickly access conditions as Pass, Warning, or Fail**
- **99 memory locations to store results with read function**
- **Compact and lightweight**
- **RS232 PC Interface to download testing results to a PC for trending/life cycle analysis**

No hassle warranty

No waiting.

No shipping charges.

WARRANTY
NO HASSLE
PROGRAM

Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: $500 MSLP limit)

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BAT-500 Battery Capacity Tester

Data Sheet

Specifications

Battery Types Tested	Compact storage batteries, Alkaline, Nickel-Metal Hydride (NiMH), Nickel-Cadmium (NiCd), Lithium-ion (Li-ion) and lead-acid batteries
Battery Capacity	0 to 500AH
Impedance Measurement Range	40mΩ, 400mΩ, 4Ω, 40Ω
Resolution	10μΩ, 100μΩ, 1mΩ, 10mΩ
Accuracy	±(1%reading ±10digits)
Open Circuit Voltage	3.5Vpp max
Measurement Current	25mA approx., 2.5mA approx., 250μA approx., 25μA approx
Measuring current Frequency	1KHz ±10%
Voltage Measurement Range	4V, 40V
Resolution	1mV, 10mV
Accuracy	±(0.1% rdg ±6 digits)
Data Memory	500 data sets
Continuous Data Memory	9600 data sets (only use PC download)
Comparator	
Setting	Resistance upper and lower limits and voltage throughold point
Number Of Comparator Settings	99 sets of values
Operating Environment	0°C to 40°C (32°F to 104°F) , 80%RH or less, non-condensing
Maximum Input Voltage	50 VDC
Power Supply or AC Adapter	Six size AA 1.5V
Battery Life	7 hours approx
Weight	Approx. 500g (1.1 lb) including batteries
Dimensions Approx	250(L) × 100(W) × 45(H)mm (9.8 x 39.4 x 1.8 in)
Accessories	Instruction manual, Batteries, Test probe, Software, RS232 cable

Amprobe® Test Tools　　　　　**www.Amprobe.com**