



# 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.*



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)

## BAT-500 Battery Capacity Tester

## Data Sheet

### Specifications

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