

**Battery Impedance Tester**

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- PH Meter
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- Power Supply
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**TES-33**  
**Battery Capacity Tester (USB)**

**Product Features**

- Test Condition Without Shutting Down Battery.
- Simultaneously Measure Battery Resistance, Voltage, Current, Temperature.
- Auto-hold and Auto-data storage.
- Comparator Function.
- Rates Conditions as Pass, Warning, or Fail.
- Memory and Read Function
- Compact and Lightweight.
- USB PC Interface

<b>Battery Types Tested</b>	Compact storage batteries, Alkali and lead-acid batteries.		
<b>Battery Capacity</b>	0 to 1200AH		
<b>Resistance</b>	Ranges : 4mΩ, 40mΩ, 400mΩ, 4Ω, 40Ω, 400Ω Resolution : 1mΩ, 10mΩ, 100mΩ, 1mΩ, 10mΩ, 100mΩ Accuracy : ±(3%reading ± 20digits) on 4mΩ range. ±(0.8%reading ± 6digits) on 4mΩ other ranges.		
<b>Measurement Condition</b>	Current : Approx. 40mA, 4mA, 400mA, 40mA, 4mA Frequency : 1KHz±30Hz		
<b>DC Voltage</b>	Range : 6V, 60V Resolution : 1mV, 10mV Accuracy : ±(0.1%rdg±6digits)		
<b>Temperature</b>	Range : -20°C to 60°C (-4°F to 140°F) Resolution : 0.1°C / 0.1°F Accuracy : ±1°C / ±1.8°F		
<b>DC Current</b>	Range : 600A Resolution : 0.1A Accuracy : 600A : ±(2%rdg±2dgt)	Optional Accessories: PROVA 15 (including plug wire)	Range : 4A Resolution : 1mA Accuracy : ±(2%rdg±2dgt)
<b>Open Circuit Voltage</b>	5V max		
<b>Manual Data Memory</b>	999 data sets		
<b>Continuous Data Memory</b>	6000 data sets (only use PC download)		
<b>Comparator</b>	Setting : Resistance upper and lower limits and voltage threshold limit. Memory : 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>	60VDC		
<b>Power Supply or AC Adapter</b>	Six AA size 1.5V alkaline batteries		
<b>Battery Life</b>	5.5 hours		
<b>Dimensions/Weight</b>	Approx. 198(L)x 94(W)x 49(H)mm /Approx. 530g		
<b>Accessories</b>	Clip – type test lead with temperature sensor, Pin – type test lead, 3092CP DCA current adapter board, Instruction manual, batteries, AC adaptor, Optical USB cable, CD PC software, Carrying case		

Storage Battery Systems Battery Capacity Testers,  
Check battery condition in seconds, with the battery in service!

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