



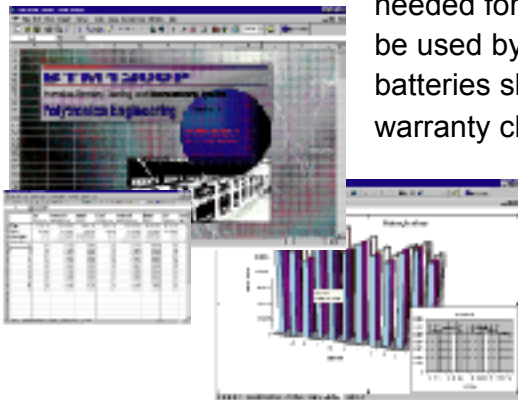
BTM2000P

Determine battery cell health quickly and accurately with your Portable Battery Tester

The BTM2000P allows the user to determine the state of any battery simply, quickly and safely. Tests on cells can be conducted without the need to disconnect the cell, with the charger on, and the load connected. The unit tests cell voltage, cell and intercell resistance. In addition it calculates a battery index and the cell's specific gravity. Cell test results are immediately visible on an LED display located on one of the portable's probes, while string data can be viewed on the unit's LCD. All of the recorded data is stored in non-volatile memory and can be downloaded to a computer for more detailed analysis.



The BTM2000P is perfect for use in maintenance of batteries found in UPS, telecom, utility, and emergency lighting applications and provides history data needed for battery life prediction. Also the system can be used by battery resellers to ensure the quality of batteries shipped to the customer and can help settle warranty claims.



Excel 97

Battery reports and histories can be compiled easily and accurately without the possibility of human error. When Data stored in the unit is downloaded to a PC or network computer, our user-friendly Excel based software analyzes the information and generates alarms if test results don't meet specified settings. The software makes a simple task of report generation. All information can be stored in the computer to obtain battery histories.



Features

- Smallest battery tester around – weighing less than 2 Lbs. with dimensions of 10" X 5" X 1.4"
- Simple to operate – just place the probes on the battery terminals, when a measurement is recorded the unit will beep and indicate the ID number of next cell to be tested
- Safe – complete electrical isolation makes the unit safe to operate around high voltage battery banks
- An LED and LCD – indicate the cell to be tested and the value of the current reading and present battery data
- Large data storage – the non-volatile memory of the unit can store up to 5000 measurements and eliminates the need for manual recording.
- Better than ohmic or voltage measurements – our proprietary algorithm indicates cell health with a far greater level of confidence
- Cell & Intercell measurements are both taken during the test.



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Technical Specifications

- ◆ Auto range of the Voltage: 0 to 16V
- ◆ Cell index Range: 0-200%
- ◆ Precision:
 - Voltage: better than 0.5%
 - Battery index: better than .5%
 - Intercell resistance: +/- 3 uOhms
- ◆ Number of cells/ Run: Up to 750
- ◆ Maximum Number of data samples: More than 5,000
- ◆ Polarity Insensitive
- ◆ Automatic advance
- ◆ Manual skip, advance, reverse
- ◆ Automatic detection of improper contact
- ◆ Audible alarms
- ◆ Two probes with built in separate current and voltage sensors
- ◆ Display of Voltage, Dynamic and intercell resistance.
- ◆ Power Source: Internal, rechargeable Ni-Cad battery.
- ◆ Auto power-Off
- ◆ Non-volatile record memory
- ◆ Warranty: 12 Months
- ◆ Data Format: Excel 97/2000 and Windows 98 compatible.
- ◆ Physical Size: 10" x 5" x 1.4"
- ◆ Weight: less than 2 Lbs.
- ◆ Data Link: Standard RS232 Interface, Optional Modem Interface for remote data uploading.
- ◆ Communication speed: configurable up to 19.2 kBaud
- ◆ Communication Protocol: Binary or Standard ASCII Text.

The **BTM2000P** determines the health of batteries using a pulse technique. Multiple measurements are taken during each pulse allowing the unit to capture dynamic and static istics of the cell. Our proprietary algorithm is used to calculate a battery index for each cell. This algorithm takes into account factors critical to battery health that go unmeasured when using standard measurement techniques. When the data from multiple readings is plotted with respect to time by our Excel based software the user has access to the most complete picture of the cell available from a portable battery tester. This information helps determine remaining battery and cell life with the highest possible level of confidence.

With the **BTM2000P** there is no longer a need for frequent discharge tests, specific gravity tests, and inter-cell resistance testing.