



BTECH Monitoring System Testimonials

"In 1995 we purchased the B-Tech monitoring system for each of 5 UPS units with more than 300 batteries in the system for our corporate offices. Since their installation we have not had one battery related outage of an operating UPS unit.

The B-Tech system has fore warned of more than 30 potential battery failures allowing us to replace batteries before they fail...The only way to know how your batteries are performing is to monitor their performance on weekly basis. B-Tech has provided flawless service in maintaining our battery back-up systems."

Ken Rheault, Consumers Energy

"BTECH's Battery Monitoring Systems have proven to greatly reduce battery maintenance costs, extend the life of the batteries and virtually eliminate battery failure by being able to predict precisely which cells need to be replaced in advance. Based on our experience, I highly recommend BTECH Battery Monitoring Systems"

S. Alim, Manager of Engineering, ADP

The Most Accurate Way To Find Bad Batteries... Now In Portable Form

The S5 Pit Portable Impedance Tester uses BTECH's patented impedance measuring technology, the reference test method proven in over 3000 battery monitoring systems. Using the same software package and database as the S5 monitoring system, BTECH delivers a simple to operate, integrated tool for managing battery systems.

Why BTECH is the World Leader

We're Proven: BTECH has the largest installed base of battery monitoring systems worldwide

We're Superior: The S5 PIT delivers unparalleled performance: Shortest Test Time, Safe and Easy to Use, Repeatable Consistent Data

We're Non-Destructive: Unlike the competition, our test signal is automatically optimized to the batteries amp hour capacity. Battery float voltages are never skewed and batteries are never discharged below their open circuit voltage

We Know Your Batteries: BTECH has designed and monitored battery systems since 1989, BTECH products are designed to operate on any battery type in any configuration. BTECH has engineered products to operate while battery systems are on line and under load.

Battery Industry Recognition: BTECH's data is accepted by the leading battery manufactures, UPS manufactures, battery service providers and Consulting Engineers

Key System Features

- BTECH's patented Impedance Technology in portable form
- Measures Key Battery Parameters including Total System Voltage, Individual Cell Impedance, interconnection impedance and Voltage in one test
- Links to BTECH's legendary BVM 4.1 software suite for reporting and trend analysis
- Ambient Temperature
- Cell/Jar Voltage
- Cell/Jar Impedance
- Safe to Use
- Repeatable No Fault Testing
- Performs all Tests Without Skewing Float Voltages
- Short 2 Second Test Cycle
- "Single Pass" Non-destructive Testing
- Cross-validates Battery Data

SYSTEM SPECIFICATIONS

Model: S5 PIT

DC Voltage Measurements:

- Unit Voltage: +/- 24VDC with Resolution 10mVDC
- System Voltage: +/- 600VDC with Resolution 100mVDC
- Unit/System Accuracy: +/- 0.1% Full Scale
- Unit in String Sensing: Auto and Manual

Impedance Measurement:

- Load Current: Auto ranges 10,5,1, or 0.5 Amps
At 216 Hz for 2 Seconds
- Unit Impedance: 1uOhms to 88.86mOhms
with resolution of 1uOhm
- Interconnect Impedance: Same as Unit Impedance
- Impedance Accuracy: +/- 10uOhm
- Impedance Multiplier Correction: +/- 0.1%
- Cell Types: All from 2 to 16VDC
- Calibration: Continually self calibrating AC offsets
- Protection: Against over Voltage and Reversed Leads

Power Requirements:

- 85-265 VAC 50-60Hz
- Internal Rechargeable Battery
- 12VDC Automobile charger

Environmental:

- Operating: 0 to 40 deg C at 0 to 80% RH (non-condensing)
- Storage: -20 to 60 deg C

Communications:

- Front: USB (Type B), Serial (DB-9F)

Software:

- BVM 4 Windows® based software package
designed for Windows® 2000 and higher