Conductive and Thermochromic Ink Combined to Create a Printed Circuit Battery Tester

Cyber Power Systems produce a battery backup unit for Verizon FIOS home equipment that uses standard D – cell batteries. These batteries needed to be tested at the point of use and Cyber Power challenged LCR Hallcrest to supply a low cost accurate battery tester that is reliable and easy to use.

- **Requirement:** Low cost, accuracy, simplicity and ease of use summarize the design parameters specified by Cyber Power systems for testing common D-Cell batteries.

- **Solution A** combination of thermochromic and conductive inks were used to create an electrical circuit and thermochromic display that measured and displayed voltage. The circuit and display are printed on a thin flexible strip that is robust, reliable, low cost and always ready to use.

- **Product Details**
  - 3 Event tester for 1.5 Volt Batteries
  - Indicates: REPLACE, OK, GOOD Battery Status
  - Size: 4.5“ x 0.5”
  - Supplied on kiss-cut columns
  - Colors: Black and White

- **Benefits**
  - Inexpensive
  - Un-obtrusive
  - Convenient
  - Accurate and easy to read

For Further Information contact vinnie@hallcrest.com or visit www.hallcrest.com and let us show you what we can do!