

## Quick-Test Tweezers Ease Electronics Diagnosis

*Economical New Device Checks and Measures Small Components or Circuits With Just One Touch*

Ann Arbor, MI ([PRWeb](#)) January 20, 2009 -- A compact, lightweight digital meter integrated with comfort-grip tweezers allows fast, precise measurements of small components and circuits.

Newly introduced Quick-Test Tweezers simplify quality assurance inspections of incoming circuit boards or loose components, as well as troubleshooting and production checks by electronic manufacturers. Two models of the versatile tweezers are the latest additions from [Aven, Inc.](#), a Michigan supplier of high-performance electronic and optical inspection tools.

"Quick-Test Tweezers are an economical, handy replacement for bulky LCR multi-meters," says Mike Shahpurwala, president and marketing director at Aven. "These value-priced instruments allow one-touch identification and testing of SMDs, as well as short-circuit diagnosis or [PCB](#) extraction."

Because surface mount devices usually are tiny and lack wire leads, they're harder to test and identify than conventional components. The newest battery-powered tweezers are a practical solution, and also can check traditional components with wire leads too short to insert in test terminals.

One-hand use allows note-taking while checking a component's [impedance](#) (inductance, capacitance and resistance), testing its diode polarity or measuring currents in operating circuits. The AutoScan model immediately recognizes whether a component is a capacitor or resistor, with no mode change needed.

An oversize digital readout clearly shows the type of component, measurement result and test conditions. A bar graph displays an analog indicator of measured input.

Applications include electronics R&D, manufacturing, maintenance and training.

Quick-Test Tweezers are a value-priced adaptation of earlier-generation electronic testers that also combine mechanical and metering capabilities, according to the company. These are among practical features of the new models:

- Accuracy matches or exceeds conventional professional devices.
- Measures voltage and checks operation of printed circuit board (PCB).
- Precise tips handle components as tiny as 0.3 millimeters.
- AC or DC voltage measurements.
- Displays active and reactive impedance components.
- AutoScan model automatically identifies component and measures inductance, capacitance and resistance.
- Light weight (under two ounces) and ergonomic design reduce fatigue or strain.
- High-visibility bright yellow case makes tool easy to find.
- Long-lasting battery.



"This is an example of a small instrument with a big impact on debugging, work flow and quality control," says Shahpurwala at Aven. "Users say it's among the most useful items on electronic technicians' benches."

Aven, Inc. is a source of high-performance precision tools and optical inspection systems for industrial, scientific, research and education applications. Product lines include alignment tools, video inspection systems, magnifiers, precision knives, pliers and cutters, illumination equipment and other workbench solutions. An electronics innovator since 1983, Aven is located in a high-tech corridor of Southeast Michigan and is the parent company [SharpVue](#), which designs and manufactures integrated digital microscope technology.

Visit Aven at Booth 2287 of [MDM West](#), the Medical Design & Manufacturing Exposition in Anaheim, CA, from Feb. 10-12, 2009.

For more information, call Aven at (734) 973-0099 or see [www.aveninc.com](http://www.aveninc.com) for a digital catalog and video demonstrations.

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