

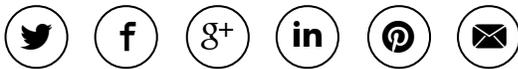


Thursday, October 13, 2016



Siborg Systems Inc. Celebrates Boxing Week with Sale on Smart Tweezers and LCR-Reader

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Handheld LCR-meter Smart Tweezers and the newest consumers choice LCR-Reader are being offered at a discount price for Boxing Week.

WATERLOO, ONTARIO (PRWEB) DECEMBER 28, 2013

[Smart Tweezers LCR-meter](#) was introduced in the early 2000s and have grown to be recognizable instantly for its unique design that combines a set of tweezers with a powerful LCR-meter in a small, handheld device. The small tool offers high speed and accuracy while measuring Surface Mount Technology devices, and offers an easy to use alternative to conventional bench-type testers.

Siborg Systems Inc. is offering the [Smart Tweezers LCR-meter](#) and the [LCR-Reader](#) on sale from Saturday, December 29th, 2013 until Tuesday, December 31st, starting at 12:00 am Eastern Time till 11:59 pm Eastern time. All orders can be made through any link, and also by phone or fax found at the bottom.

With Surface Mount Technology (SMT) becoming the leading method for manufacturing electronics, more sophisticated test equipment is constantly in demand. Smart Tweezers offers a one handed use device as an alternative to conventional bench type testers which require significant setting up. Smart Tweezers are exceptionally helpful for testing and troubleshooting the small Surface Mount Devices (SMDs). These tiny components may or may not have distinguishing marks such as labels, which makes distinguishing it from another component, keeping track of its values or the component itself an issue.

Smart Tweezers easily combats these problems with just a simple touch. By touching the integrated tweezers to the component, Smart Tweezers will automatically determine the type of component and measures for Inductance, Resistance, and Capacitance instantly with high accuracy, as well as measuring for the Equivalent Series Resistance (ESR) values. To achieve the highest accuracy, the device automatically selects the best test range and signal frequency. A video demonstration is available at Youtube. Smart Tweezers' gold plated tweezer tips are able to gain full contact on even the smallest components, even those on tightly packed PCBs.

"The main advantage of [Smart Tweezers](#) is virtually instantaneous and highly accurate evaluation of SMT components as small as 0.3 mm," says Michael Obrecht, the Director of Research and Development at Siborg Systems Inc., "This accuracy level of about 0.2% is only available on the expensive bench-type LCR-meters that require significant efforts in setting-up measurements."

Features on the [Smart Tweezers LCR-meter](#) include:

- Fully Automatic Inductance, Resistance, Capacitance, and Equivalent Series Measurements

- Basic accuracy of 0.2%

- Diode and Continuity Tests

- Adjustable test signal

- Component sorting with 1%, 5%, 10%, and 20% Tolerances

- Semi-automatic offset subtraction

- Ideal for small components, as small as 0201 size or 0.3 mm

- Displays active and reactive impedance components

- Just 2 oz. weight and ergonomic design

- Long battery life with Li-Ion battery and micro-USB charging connection

Jason Yeh, the Sales Manager at GoldTek in China, who has begun supplying the Smart Tweezers line in China, says: "In all production lines, Smart Tweezers comes in hand perfectly complementing powerful but sometimes hard to use bench-type electronic test equipment. Smart Tweezers LCR-meter is an extremely useful tool allowing to verify results of optical inspection."

Siborg released a budget model of Smart Tweezers, the ST5L, in the past year. In September of 2013, the LCR-Reader was released. The new device is half the weight and size of previous models, while still offering a high basic accuracy of 1%, which is higher than previous ST-1, ST-2 and ST-3 models. A one-button navigation allows users to easily cycle through measurement modes, including: Automatic, Capacitance, Resistance, Inductance, and ESR. LCR-Reader also measures the main impedance of L, C or R and parasitic components such as R for L and C, and is powered by Li-Ion battery, like Smart Tweezers.

This Youtube video demonstrates the [LCR-Reader's](#) assembly process, showing the inside and outside of the small device. The new lightweight design was achieved by discarding some features found on Smart Tweezers: continuity, diode and open circuit testing, semi-automatic offset subtraction, and component sorting. By not including these features, the manufacturing cost was kept low, which allows the device to be offered to a wider range of customers.

Visit the [Smart Tweezers Blog](#) for all the latest news about Smart Tweezers LCR-meter and LCR-Reader.

About Siborg Systems Inc.

Established in 1994, Siborg Systems Inc. is a source of engineering software and hardware tools for semiconductor and electronics industry. Located in the city of Waterloo, Ontario, Canada, it enjoys being a part of the local world-renowned high-tech community.

For more information:

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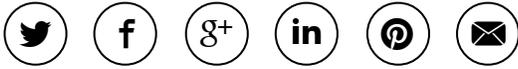
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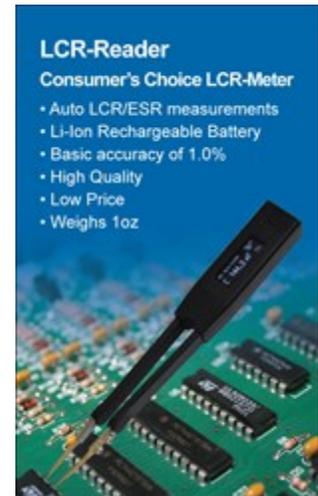
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Consumer's Choice LCR-meter

LCR-Reader, the lightest LCR-meter ever.

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LCR-Reader Akin to Smart Tweezers LCR-meter
LCR-Reader akin to Smart Tweezers LCR-meter with labels



LCR-Reader vs Smart Tweezers ST3, ST5 and ST5L
Feature Comparison of LCR-Reader and Previous Smart Tweezers Models



Smart Tweezers ST5 Manual
Smart Tweezers LCR-meter ST5 Manual



Smart Tweezers LCR-meter simplifies PCB debugging
The main advantage of Smart Tweezers is virtually instantaneous and highly accurate evaluation of SMT components as small as 0.3 mm

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