

Siborg Systems Inc Finally Release LCR-Reader Akin to Smart Tweezers LCR-meter

Consumer's choice LCR-meter, the most light-weight, small and affordable member of Smart Tweezers LCR-meter family is finally available for sale.

Waterloo, Ontario ([PRWEB](#)) August 31, 2013 -- After a few months of final debugging and fine-tuning Siborg Systems Inc release LCR-Reader; a new member of [Smart Tweezers](#) LCR-meter family.

LCR-Reader is the latest arrival in [Smart Tweezers'](#) family, a new design with a record low weight and size, budget model of the popular device. This new design maximizes operation simplicity and ease-of-use complimented with affordable price while still keeping high basic accuracy.

Tests performed on the first few hundred of units demonstrated basic accuracy variations fitting the targeted 1% accuracy specifications. The accuracy issues was overcome by individual calibration of every unit using calibration fixture.

"We are very happy with the new device. Customer satisfaction is our main priority," says Michael Obrecht, Director of Research and Development at Siborg Systems Inc. "Therefore we took additional measures to ensure high measurement accuracy of the LCR-Reader before we start mass production of this model. Basic accuracy of 1% was our target and we eventually have been able to achieve it."

Compared to previous [Smart Tweezers](#) models, LCR-Reader is about two times smaller and lighter. The display is implemented using high contrast LED screen. For ultimate simplicity of the device operation we used the only control button that switches measurement mode by a single push from Automatic, to Capacitance, Inductance, Resistance, and ESR modes.

Li-Ion rechargeable battery is used to power the device with a micro-USB connector. Test signal amplitude is 0.5 Vrms, and test frequency is selected automatically.

LCR-Reader measurement example display is shown on a picture to the right. Here AM indicates the measurement mode (Automatic Mode). Like Smart Tweezers, LCR-Reader in addition to the main impedance component L, C or R it also shows the parasitic impedance component. In the example 10 kHz is the test frequency, Rs indicates parasitic series resistance of the inductor, L shows that the component type is an inductor, 104.8 uH indicates its value, and in the right bottom corner of the screen the battery charge level is shown.

The following Smart Tweezers features are not available:

Component Sorting

Automatic offset adjustment

Open Circuit/ Continuity/ Diode/ test

Follow the latest LCR-Reader developments at [Smart Tweezers LCR-meter Blog](#).

Be the first to own LCR-Reader, call today to pre-order and get 20% discount. A detailed comparison of features of the LCR-Reader and previous models is presented in the Smart Tweezers Comparison Table.



LCR-Reader Feature Summary:

Automatic LCR and ESR measurement

Basic accuracy of 1%

Best range selection

Li-Ion battery with a micro-USB connector

About 1 Oz weight

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 part of the local world-renowned high-tech community.

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