

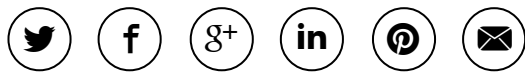


Monday, September 26, 2016



# Siborg Systems Inc Delays Release Of LCR-Reader Due to Required Firmware Revision

## Share Article



First few hundred units of LCR-Reader Multimeter, a new member of Smart Tweezers LCR-meter family, had been manufactured. Tests showed that not all units performed according to accuracy specifications.

**TORONTO, ONTARIO (PRWEB) JULY 31, 2013**

LCR-Reader is the latest arrival in [Smart Tweezers LCR-meter](#) family, a new, record low weight and size, budget model of the popular device. This new design combines ultimate operation simplicity and ease-of-use with affordable price with a little sacrifice of the basic accuracy.

Tests performed on the first few hundred of units of showed excessive basic accuracy variations not fitting the 1% projected accuracy specifications. The issue is due to variation of component values on different PCBs and can be overcome by individual calibration of every PCB. The calibration fixture is designed and manufactured and being tested at the present time.

"Customer satisfaction is our main priority," says Michael Obrecht, Director of Research and Development at Siborg Systems Inc. "Therefore we would like to ensure high measurement accuracy of the LCR-Reader before we start mass production of this popular [LCR-meter of Smart Tweezers](#) family. Basic accuracy of 1% is our target and we will do our best to achieve it."

Compared to previous models of Smart Tweezers LCR-Reader is about two times lighter and smaller in size. Instead of the previously used LCD it has high contrast LED display. It is also has Li-Ion rechargeable battery with a micro-USB connector and basic accuracy of about than 1%. A new design includes the only control button that switches measurement mode by a single push between Automatic, Capacitance,



LCR-Reader, the Lightest LCR-meter, Released June 2013

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

Inductance, Resistance, and ESR. Test frequency is selected automatically according to the component type and value, and test signal amplitude is 0.5 Vrms.

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:

- Automatic offset adjustment
- Component Sorting
- Open Circuit/ Continuity/ Diode/ test

The new projected release date now is September 1, 2013.

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

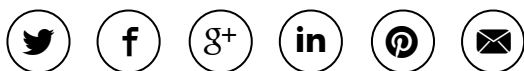
About Siborg Systems Inc:

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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## Media

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LCR-Reader vs Smart Tweezers ST3, ST5 and ST5L

Feature Comparison of LCR-Reader and Previous Smart Tweezers Models

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