

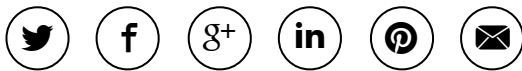


Thursday, October 13, 2016



# Siborg Systems Inc Discontinues Production of LCR-meter Smart Tweezers ST5L Replacing It With LCR-Reader

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LCR-Reader, a new cheaper and more simple model of Smart Tweezers LCR-meter is released. It will replace Smart Tweezers model ST5L that is being phased out in June 2013.

### WATERLOO, ONTARIO (PRWEB) MAY 31, 2013

The latest in [Smart Tweezers LCR-meter](#) family, [LCR-Reader](#) is arriving. The device is currently in a pre-production stage with finalizing small details of the mold, PCB and packaging. Its public release date is planned to be July 1, 2013. The new device will replace the previous budget model of Smart Tweezers ST5L which accordingly will be phasing-out by the end of June 2013.

LCR-Reader, prototype of which was presented to the public a couple of months ago shown on the right. It is very much alike Smart Tweezers in the way of use. In contrast to [Smart Tweezers, LCR-Reader](#) is considerably lighter weight and smaller in size as well as the price.

LCR-Reader is two times lighter than Smart Tweezers ST-5. It is also powered by Li-Ion rechargeable battery chargeable via USB connector. Basic accuracy of the new device is better than 1% . A new simplified design includes just one control button that turns the device on and changes the measurement mode by a single push of the button between Automatic, Inductance, Capacitance, Resistance, and ESR (Equivalent Series Resistance). Test signal amplitude is fixed at 0.5 Vrms, measurements are done automatically, test frequency is adjusted according to the component type and value.

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

Comparing to the ST-5 following features are not available:

- Offset subtraction
- Component sorting
- Diode test
- Continuity test

Follow the latest news at [Smart Tweezers Blog](#). You may also watch a brief video of [Smart Tweezers LCR-meter](#) introduction on Youtube.

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.

Feature Summary:

- Automatic measurement of L-C-R and ESR
- Typical accuracy less than 1%
- Automatic best range
- Li-Ion battery chargeable via USB port
- 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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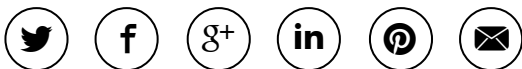
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LCR-Reader: The Lightest LCR-meter

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in size as well as  
the price

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## Media

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[LCR-Reader Display](#)

Details of measurement display of LCR-Reader akin to Smart Tweezers LCR-meter



[LCR-Reader vs Smart Tweezers ST3, ST5 and ST5L](#)

Feature Comparison of LCR-Reader and Previous Smart Tweezers Models



[Brief description of Smart Tweezers ST-5L](#)

Description of Smart Tweezers ST-5L



[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



[Brief description of Smart Tweezers ST-5L](#)

Description of Smart Tweezers ST-5L



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