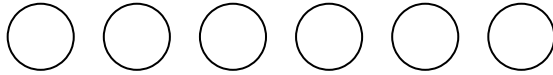


# September Sale Happening Now on All LCR- and ESR-meters and Test Tweezers at Siborg Systems Inc

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Siborg is holding a sale for September for all the SMT testing devices in their store and online sales channels



LCR-Reader Professional task kit

From now until the end of September, Siborg Systems Inc. is offering a discount on all of their test equipment for surface mount technology

**WATERLOO, ONTARIO  
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From now until the end of September, the LCR-Reader Store is having a sale that includes all of Siborg's devices and task kits. This sale is also available on Siborg's Amazon sales channels Europe and North America. All products are offered at 10% less than their usual prices.

Siborg sells test equipment for the

semiconductor and electronics industries, their most recognizable devices are the [Smart Tweezers](#) and [LCR-Reader LCR- and ESR-meters](#). These handheld devices are indispensable among professionals who use them for their easy-to-use design and quick measurement capabilities. The design is biggest selling feature: the combination of a set of gold-plated tweezer probes and a lightweight multimeter in a device slightly larger than a pen that allows users to easily grasp and hold components, either loose or mounted to a crowded PCB. When the tweezers have a hold on a component, the multimeter will determine the type of component and best test range before instantly displaying the results on the built in OLED display, including the main impedance value, any secondary values (including ESR values), type of component and test parameters.

The best seller still remains [LCR-Reader Pro](#), a low cost version of [Smart Tweezers LCR-meter](#) offered worldwide via Amazon and from LCR-Reader online store.

The leading professional model in Siborg's offerings is the [Smart Tweezers ST-5S](#); this model offers the most features and functions with the highest basic accuracy of 0.2%, extensive menus for customizable measurement parameters; including, offset subtraction, variable tolerances, continuity/diode/short testing and adjustable test signal levels. The ST-5S comes pre-calibrated with a traceable NIST calibration certificate, and along with spare bent tweezer tips.

Siborg has recently begun offering a Bluetooth enabled model of [Smart Tweezers ST-5S: the ST5S-BT](#). This model connects using a virtual Bluetooth port and can receive data using communication software (such as NI LabView) and dedicated apps. With the ability to connect using Bluetooth, users are able to record their measurements as they happen, saving time and effort for those who require to complete quality control and create quick references for past measurements. All of the data is sent in a string of comma separated values

that represent what is shown on the device's screen at the time of measurement; including the main impedance values and type, secondary values and type, test signal frequency and level, measurement mode and 4 reserved values. Siborg currently offers two versions of Smart Tweezers Bluetooth in the LCR-Reader Store: one with the Bluetooth receiver dongle and one without. Note: the dongle is required to connect the device to a PC in order to be able to utilize LabView.

In 2013, Siborg created a lower-cost alternative to the [Smart Tweezers LCR- and ESR-meters, the LCR-Reader](#). This model offers the same functionality as [Smart Tweezers](#) but less features and, most importantly, is offered at nearly half the price. By removing some features, such as the menus and variable test signal levels, Siborg was able to cut the price to make it more affordable to those looking for a similar device but without sacrificing high accuracy or instantaneous results. LCR-Reader was overlooked by professionals due to its lack of calibration certificate; while still a reliable device that is offered at a low price, professionals still were required to have their devices calibrated annually. Siborg created a solution to this issue; working with the Institute of Automation and Electrometry at the Russian Academy of Sciences in Novosibirsk, Siborg created a new calibration fixture that is able to handle the full range of measurements on newer devices, including the LCR-Reader. This fixture was verified and Siborg was able to begin offering calibration for their devices. To celebrate this, Siborg created the LCR-Reader Pro task kit: a pre-bundled kit that includes a pre-calibrated LCR-Reader, NIST traceable calibration certificate, extra bent tweezer probes, a spare battery and charger for LCR-Reader. The LCR-Reader Pro is available for \$216.00 USD until the end of September during Siborg's September Sale.

Building on the success of their tweezer-based measurement tools, Siborg has begun offering other products for testing and troubleshooting surface mount technology. These products include: SMD Test Tweezers that connect to most multimeters and allow for tweezer-probe precision. This device is best for measurements that do not require high accuracy

**Smart LED Test Tweezers:** primarily designed for testing through-hole and surface-mount LEDs, this device can also be connected to a multimeter using the included connector cable to test switches, circuitry, fuses, wires, shorts and more. The device uses a 12 VDC output while testing LEDs and has adjustable current ratings of 20, 10 and 5mA.

**LCR-Reader Probe Connector** allows LCR-Reader and Smart Tweezers to reach components on a PCB that wouldn't normally fit between the tweezers' tips. This attachment set comes with 7 different interchangeable heads, including a spade connector, short and medium pin probes, alligator clips, and multimeter connectors.

Be sure to visit the [LCR-Reader Store](#) to take part in Siborg's September Sale; from now until September 30th, 2016. Siborg is also offering discounts on their Amazon sales channels, in North America and Europe..

About Siborg Systems Inc.

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

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