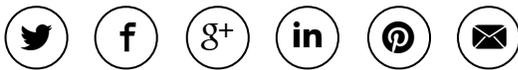Wednesday, September 21, 2016

Siborg Systems Inc Releases LCR-Reader Probe Connector for Probing a Complete PCB and Larger Component Measurements

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A new shielded two-wire probe connector for LCR-Reader allows one to use LCR-Reader as a probe station significantly simplifying PCB debugging using tweezer-type multimeters.

WATERLOO, ONTARIO (PRWEB) JUNE 24, 2016

This new LCR-Reader Multifunction Probe Connector allows one to use LCR-Reader as a Probe Station. The Probe Connector acts as an extension of the two-wire connection from the LCR-Reader PCB to a variety of replaceable probes. The connector consists of a shielded two-wire cable with a small PCB on one end directly connecting the two signal flex stripes on one of the LCR-Reader handles to a universal connector head. The shield is connected to the ground plane of the LCR-Reader PCB. Five kinds of probes can be then screwed onto the head, including alligator clip, long and short pin-probes, a spade connector and 4 mm multimeter jack plug.

The shielded two-wire connection virtually eliminates additional offsets due to the parasitics of the wires. The connector also makes possible measuring larger components that do not fit between the tweezers. Besides it is fully compatible with many other tweezer-like meters including all models of Smart Tweezers LCR-meter after ST-1.

The LCR-Reader Probe Connector is simple to install. Remove the screws from one of the gold-plated probes from LCR-Reader. Place the flat side of the connector cable on the LCR-Reader's handle so that the gold flex stripes connects with the two gold stripes on the connector cable's flat end. Using the same screws tighten the connector on the handle and start measuring using an appropriate probe type from the provided set.

The package shortly will be on sale for US$24.99 and it will include: the shielded two-wire cable with an LCR-Reader specific connector on one end an a universal connector head on the other, 1 long pin-probe, 1 short pin-probe, 1 spade connector, 2 alligator clips, 2 multimeter 4mm jack plugs. The cable length is 60 cm which is long enough for most of typical PCBs.

Waterloo based Siborg Systems Inc. has recently redesigned their store, created product bundles and expanded their product offerings. They have recently begun offering a new kit for the LCR-Reader that includes spare accessories and an NIST traceable calibration certificate.

LCR-Reader is a handheld digital ESR- and LCR-meter that offers a 0.5% basic accuracy with fully automatic measurements. The sharp gold-plated tweezers are able to grasp components, either mounted or loose, and automatically determine the type of component and best test frequency before measuring. All measurement values, including any secondary values, the component type, measurement mode and test frequency used are available on the OLED display instantly. The LCR-Reader was created as a lower-cost alternative to Smart Tweezers meters; to reach the $200 USD price point, some features that are found on Smart Tweezers LCR-meter were omitted on LCR-Reader, including component sorting, variable test signal levels, offset subtraction and the extensive menus.

Despite its low price, the LCR-Reader has been overlooked by many professionals for its lack of NIST Traceable Certificate. Over the past year, Siborg worked with the Institute of Automation and Electrometry at the Russian Academy of Sciences in Novosibirsk, Russia, in creating a new calibration fixture for models newer than the Smart Tweezers ST-3, including the LCR-Reader. Upon completion, the fixture was sent for verification; with the fixture verified, Siborg was able to begin offering calibration for LCR-Reader.

Siborg has recently added the LCR-Reader Professional task kit to their online store. Task kits are pre-bundled devices and accessories that are offered at a lower price than buying each piece separately. The LCR-Reader Professional includes a pre-calibrated LCR-Reader, NIST Traceable Calibration Certificate, spare bent tips, extra battery, charger and manuals. This kit is available in the LCR-Reader store and Siborg's Amazon US and Canadian sites; a different version is available in European Amazon sales channels that doesn't include a charger nor spare battery.

Until the end of June 2016, Siborg is offering a discount on the LCR-Reader Professional in the Store. Comparable kits retail for $270 USD, but until June 30th, 2016, customers can get the LCR-Reader Professional for $218.88 USD. Visit the LCR-Reader Store for accessories, replacement parts, and Siborg's other devices, including the Smart Tweezers LCR-meter ST-5S and task kits, Smart LED Test Tweezers that test LEDs, switches, fuses, etc. and the SMD Multimeter Test Tweezers that add tweezer-probe functionality to any multimeter with 4 mm jacks.

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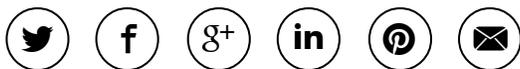
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LCR-Reader Probe Connector Allows to Use It as a Probe Station

New shielded two-wire probe connector for LCR-Reader allows to

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LCR-Reader Multifunction Probe Connector Kit Includes 5 Different Connector Types and a Shielded Two-Wire Cable

LCR-Reader Professional task kit
This task kit includes: pre-calibrated LCR-Reader, NIST traceable calibration certificate, spare bent tips, extra battery, charger and manuals

SMD Multimeter Test Tweezers plug into most multimeters to be used as tweezer probes for more efficient work

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