

New Model of Digital Multimeter Smart Tweezers ST-5

Released October 2011



All New SMART TWEEZERS ST-5
LCR Meter for Surface Mount Technology
Hand-held device with bench-type accuracy

- Fully automatic LCR and ESR measurements
- Much more accurate, 0.2% for R and 0.5% for LC
- Automatic offset subtraction, component sorting
- Ideal for SMT components as small as 0.3 mm

Now with USB Charger

SIBORG SYSTEMS INC
Toll Free: 1-877-823-7576
Fax: 1-519-725-9522
www.siborg.com

New Model with USB Charger



New Model of SMART TWEEZERS
Revolution in Electronic Measurements
LCR Meter for Surface Mount Technology

- Automatic LCR and Voltage Measurements
- Automatic Selection of the Best Range
- Display of Active and Reactive Components
- Ideal for SMT Components as Small as 0.3 mm

Now With Charger & Case

SIBORG SYSTEMS INC
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FINALLY NEW MODEL WITH INDUCTIVE CHARGER!



Older Model with Inductive Charger

The main difference between the old and the new model of Smart Tweezers is a 4-wire connection (Kelvin probe) brought up to the gold-plated tweezer tips. This significantly reduces noise and therefore improves accuracy at least 6 times.

The new model also features charging via installed USB port. In contrast to the previous model using NiMH battery, Li-Ion battery is used increasing the battery life considerably.

Features introduced in the new model are: Automatic Offset Subtraction, Component Sorting and Designated ESR Measurement.

Eliminated features are: DC and AC Voltage measurements.

Table below summarizes the differences between the new on old model.

Comparison of the Old and New Model of Smart Tweezers		
Feature	Old ST Model	New Model ST5
Automatic LCR Measurement	Yes	Yes
Manual LCR Measurement	Yes	Yes
Diode Test	Yes	Yes
Continuity Test	Yes	Yes
DC Voltage Measurement	Yes	No
AC Voltage Measurement / Trace Mode	Yes	No
Rechargeable Batteries / Charger	Optional	Standard
Designated ESR Measurement	No	Yes
Automatic Offset Subtraction	No	Yes
Component Sorting	No	Yes
Technical Specs		
Test Frequency	0.1, 0.12, 1, 10 kHz +/- 0.25%	0.1, 0.12, 1, 10 kHz +/- 0.25%
Test Signal Level	0.32 +/- 10% Vrms	0.32 +/- 10% Vrms
Source Impedance	620 Ohms +/- 5%	620 Ohms +/- 5%
Typical Accuracy		
Resistance	1%	0.20%
Capacitance	3%	0.50%
Inductance	3%	0.50%
Measurement Range		
Resistance	0.1 Ohm to 10 Mohms	0.1 Ohm to 10 Mohms
Capacitance	0.5 pF to 5 mF	0.5 pF to 1 mF
Inductance	0.5 uH to 1 H	0.5 uH to 1 H