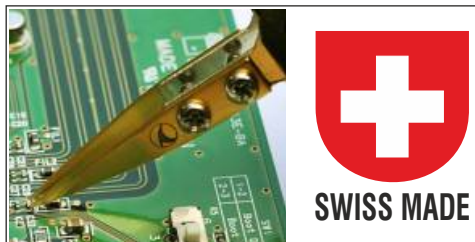


Handy LCZ Chips Smart Tweezer latest/improved Model ST5S

Siborg is also a re-seller like Inde, they are not manufacturer of Smart Tweezers

Additional Features in latest ST5S

- Smart Tweezers™ LCR meter allows you to test various component types, including secondary components of Dissipation Factor (D), Quality Factor (Q). This handheld model also includes other functions that result in a more detailed component analysis.
- The in-built ESR mode (Equivalent Series Resistance) helps you better understand the inherent resistance - behavior typically found in capacitors across selected frequencies.
- in its DIODE mode Smart Tweezers™ tests diode polarity and indicates if it is short.
- This Smart Tweezers™ has a continuity detector. Variable beeper sounds for resistance reading below set thresholds. Additionally, this function helps to locate shorted conductors (e.g. on a PCB)
- In manual mode, the Smart Tweezers™ measures a specific circuit parameter like L, C, R, Z or ESR. Manual modes also improves overall component type identification for in-circuit tests.
- Variable test signal output from 0.5 to 1.0 Vrms, allows to improve test precision in different situation e.g. for in-circuit measurement and loose leaded ceramic capacitors.
- Visible and audible tolerance mode allows to perform component sorting.
- Math null function allows to store a pre-measured offset and improve measurement precision.



Swiss precision non-magnetic steel with gold-plated tips

Advance Devices, Inc. Canada is the ORIGINAL & ONLY manufacturer of Smart Tweezers. Inde Enterprises is their stocking distributor as well the only after-sales-service partner in India. We keep all spares in stock to lower the down time of the Smart Tweezers.



Technical Specifications

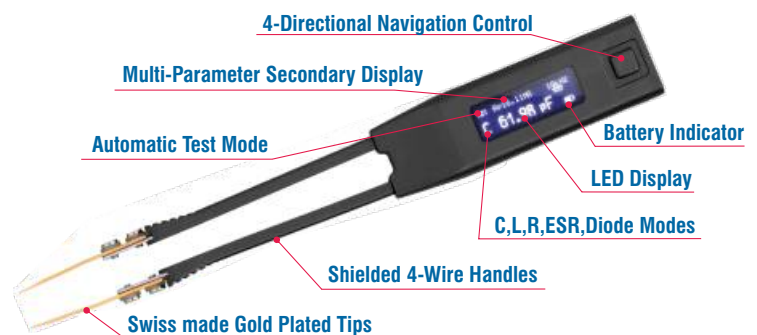
AC Test Mode frequency : 1kHz, 10kHz, 120Hz, 100Hz
Test Signal Level : 0.5/1.0 +/- 5% V_{rms} Sine wave

Measurement Ranges

Resistance R : 0.05Ω to 9.9 MΩ
Capacitance C : 0.5 pF to 4999 uF
Inductance L : 0.5 uH to 999 mH
Quality factor Q : 0.001 to 1000
Dissipation factor D : 0.001 to 1000

Other Specifications

Size : 15.0 x 1.8 x 1.5 cm approx.
Weight : 29 grams approx.
Battery Type : 3.7V LiPO rechargeable



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Warranty is 12 months from the date of invoice. It excludes batteries and any mechanically damaged part. While the information contained herein in, has been carefully compiled to the best of our knowledge, nothing is intended as representation and warranty on our part; and no statement shall be construed as recommendation to infringe any of existing patents. We accept no liability of whatsoever for any faults and errors in the information contained herein. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

An Efficient and Convenient Way to Test SMD Chip Components

- Built-in high-precision LCR probe
- Convenient one-hand operation
- Ideal for Surface Mount Devices
- Automated component identification
- Automated test range selection
- Manual C, R, L, Z and ESR Modes
- Adjustable test signal levels
- Swiss-made precise test leads
- Diode Polarity/Short Testing
- Secondary D, Q and ESR parameters
- Portable and ergonomic design
- Built-in Li-Ion battery



Smart Tweezers™ greatly simplifies testing and troubleshooting process.

Resistance, capacitance and inductance can be measured with automatic selection of the test parameters and range.

Smart Tweezers™ is a handheld LCR meter of a new concept. It provides a perfect solution for testing and identification of Surface Mount Devices as well as troubleshooting of complex electronic systems. Its unique mechanical and electronic design combines a pair of precise gold-plated tweezers and a digital LCR meter in compact, lightweight, battery powered instrument. The probe is able to measure resistance, capacitance, inductance with high accuracy and automatic component identification.

Testing Surface Mount Devices

Surface mount devices are usually tiny and without wire leads, making them more difficult to test and identify than conventional leaded components. Smart Tweezers™ gives users an easy way to sort and evaluate loose components and to perform on-board measurements and debugging.

Precise Tips reliably contact even the smallest SMD components and take measurements from already soldered devices. The Probe can also be used to test conventional components with wire leads too short to insert into the test terminals.

Automated Measurements

The Smart Tweezers™ measures quickly and accurately using the automatic component identification feature, thus eliminating unnecessary trial and error time. Smart Tweezers™ automatically specifies L, C, or R with parallel and series mode and selects a proper measurement range and test frequency for high accuracy measurements. The unit displays component type and more detailed component analysis such as Z and ESR.

Lightweight and Ergonomic

The integrated measurement head allows the operator to use one hand and focus attention on the tested component and on the job at hand. Sorting, testing and troubleshooting become more efficient and cost effective. 4-wire shielded Smart Tweezers™ assures low capacitance measurement and resistance offset

High Precision Gold Plated Steel Tips



Spare High Precision Straight Tips



Optional High Precision Bent Tips

Warranty is 12 months from the date of invoice. It excludes batteries and any mechanically damaged part.

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