

## ST5S SMART TWEEZERS - LCR METER



**SKU: 131773D**



### ST-5S SMART TWEEZERS

**ST-5S Smart Tweezers - LCR meter and component identifier with automated test-range selection.** Ideal for testing and identificate **SMD components** as well as for troubleshooting of **complex electronic systems**.

Smart Tweezers™ make it easier to sort and evaluate loose components and to perform on-board measurements and debugging. They reliably contact even the smallest SMD component and take measurements from already mounted devices. They allow you to test various component types, including secondary components of Dissipation Factor (D) and Quality Factor (Q). The probe can also be used to test PTH components whose pins are too short to be inserted into test terminals. Portable and ergonomic design, studied to permit one-hand operations.

#### Specifications

- Modes: Manual, Automatic
- Measurements: C (Capacity), R (Resistance), L (Inductance), ESR (Equivalent Series Resistance), Z
- Adjustable test signal levels
- Diode testing
- Integrated continuity detector
- Tip material: Steel, Gold plated
- 4-wire shielded handles



- Battery Type: 3.7V LiPO rechargeable, 180mAH
- Battery Life (continuous): 20 hours - Charging cycle: 3 hours

### Technical details

- AC test mode
- Test frequency: 1 kHz, 10 kHz, 120 Hz, 100 Hz - Accuracy: 50 PPM (0.005%)
- Test signal level: 0.5/1.0 +/- 5% Vrms Sine wave
- Source impedance: 100 $\Omega$  +/- 1%
- Measurement Ranges:
  - Resistance R: 0.05  $\Omega$  to 9.9 M $\Omega$
  - Capacitance C: 0.5 pF to 4999  $\mu$ F
  - Inductance L: 0.5  $\mu$ H to 999 mH
  - Quality factor Q: 0.001 to 1000
  - Dissipation factor D: 0.001 to 1000.