ST-LED - Smart Tweezers LED Tester

ST-LED is a specialized solution for testing and verification of SMD and throughhole LEDs. The device design combines a pair of high quality gold-plated tweezers and a digital adaptive LED tester in a compact, lightweight, battery powered instrument.

MAIN FEATURES and BENEFITS

» Convenient one-hand operation

» Ideal for Surface Mount Devices

» Automatic LED polarity detection and display

» Forward drop voltage display

» Adjustable constant test current 1-30mA

» Adjustable test duty cycle 10-1000 mSec

» LED visual brightness verification

» LED visual color verification

» OLED Display

» Integrated Li-Ion battery
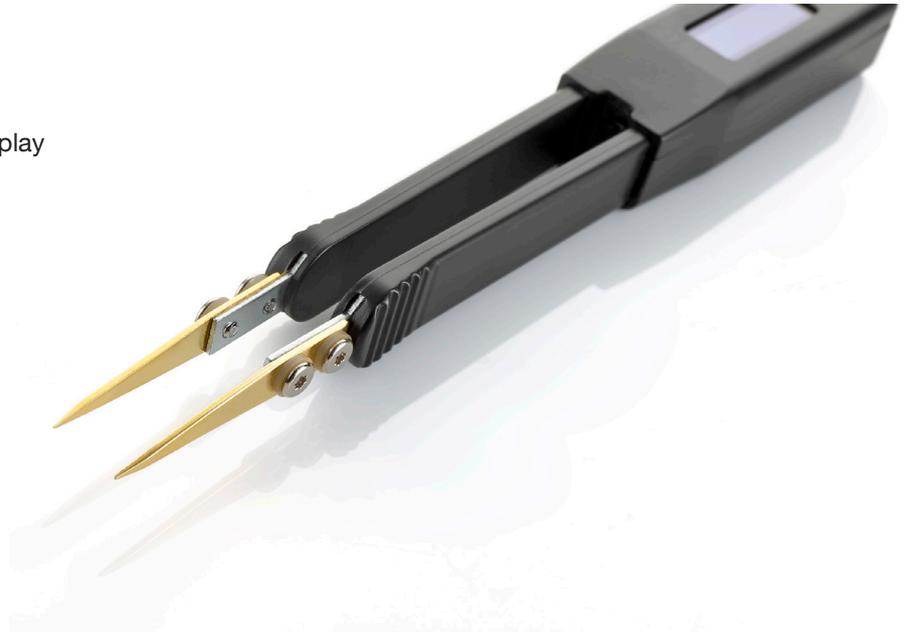
TESTING SURFACE MOUNT AND THROUGHHOLE LEDS

Surface mount devices are usually more difficult to test and identify SMD than conventional components due to their size. ST-LED gives users an easy way to test and verify various types of LEDs even already placed on boards. The probe can also be used to test throughhole LED.

ISO 9001
BUREAU VERITAS
Certification

AUTOMATED MEASUREMENTS

ST-LED performs automatic LED polarity detection using a unique safe adaptive test algorithm. After LED polarity detection The Smart Tweezers LED Tester lights the LED at the preset test current value and at the set current pulse duration.

During the testing cycle the device displays test current value, polarity indicator, forward drop voltage across LED and the current pulse duration.

It comes equipped with a built-in high-capacity Li-Ion rechargeable battery. Micro USB charging cord are included. It can be charged from any standard USB port or USB wall charger.
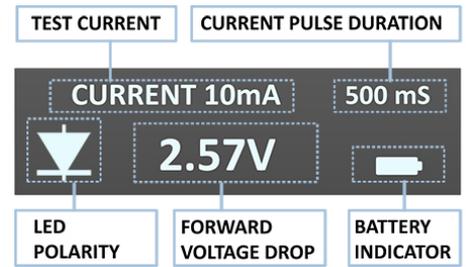
TECHNICAL SPECIFICATIONS

Test current: 0.1, 1, 2, 5, 10, 20, 30 mA

Test signal: 5 Volt (max)

Pulse duration: from 10 to 1000 msec

Dimensions: 148 x 20 x 15 mm (5.9 x 0.7 x 0.6 in)

Weight: 29 gram (1 oz)

Battery: LiPo, 180 mAh, 20 hr continuous

ERGONOMIC DESIGN AND CONVENIENT CONTROLS

Default settings of the test current and the pulse duration can be modified by the joystick-type control.
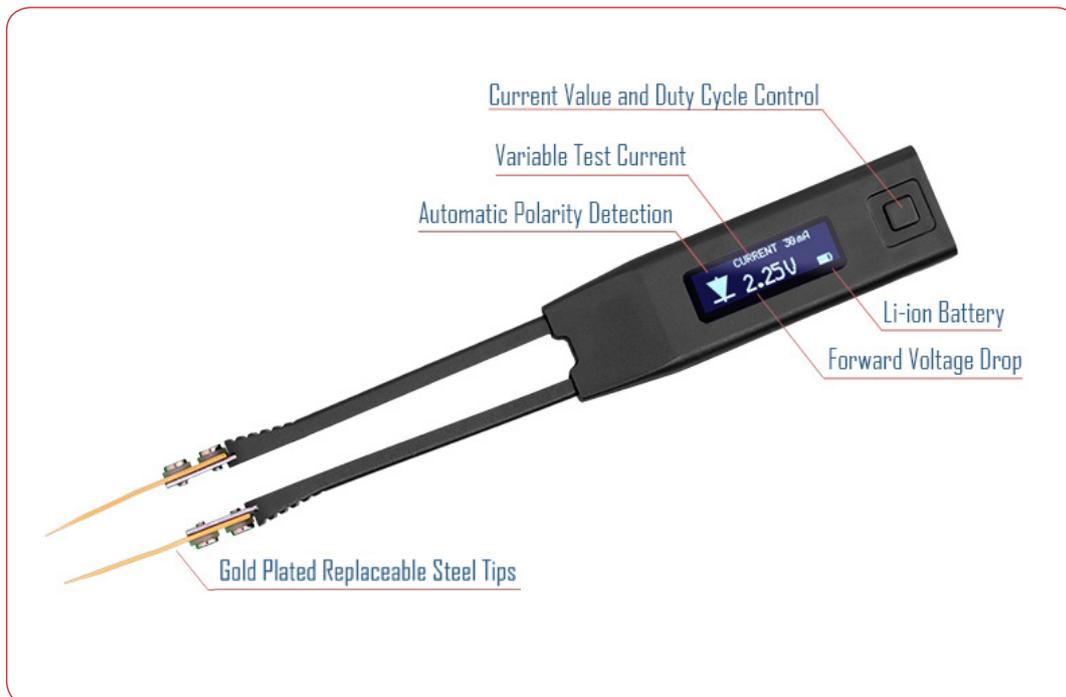
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