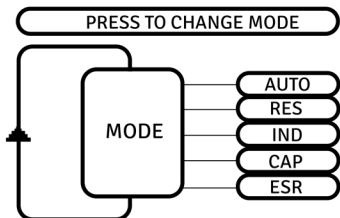
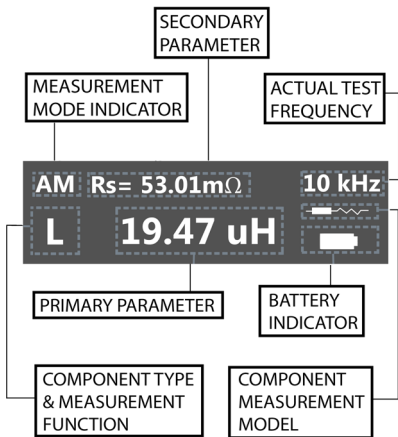


Smart Tweezers LCR-Reader

MENU STRUCTURE



DISPLAY LAYOUT



Measurement Functions

AM - auto identification of L, C or R

L - inductance + resistance

R - resistance

C - capacitance + resistance

ESR - equivalent series resistance

Test Frequency:

Auto selected test frequency

100Hz, 1kHz, 10kHz

Component Measurement Model:

Serial (Rs) or Parallel (Rp)

www.LCR-Reader.com



DISCHARGE CAPACITOR BEFORE MEASUREMENTS

Smart Tweezers LCR-Reader

SPECIFICATIONS

Test Frequency:

100Hz, 1kHz, 10kHz

Test Signal Level:

0.5 +/- 5% Vrms
Sine Wave

Basic Accuracy:

1% Basic accuracy

Resistor*

1% $R < 1\Omega$

0.5% $1\Omega < R < 5M\Omega$

1% $R > 5M\Omega$

Inductance

2% $L < 10\mu H$

1% $10\mu H < L < 1mH$

2% $L > 500mH$

Capacitor*

2% $C < 10pF$

1% $2pF < C < 5000\mu F$

5% $C > 5000\mu F$

Charge Time:

up to 3 hours,
DC 5V, 50mA

Battery Life:

up to 20 hours of
continuous use

Physical Specifications:

Dimensions

148x20x15mm

Weight

29 grams

Operating Temperature

0-50 C

* Offset subtracted from the result.
Typical offset for resistance - 0.035 Ohm,
for capacitance - 0.3pF