

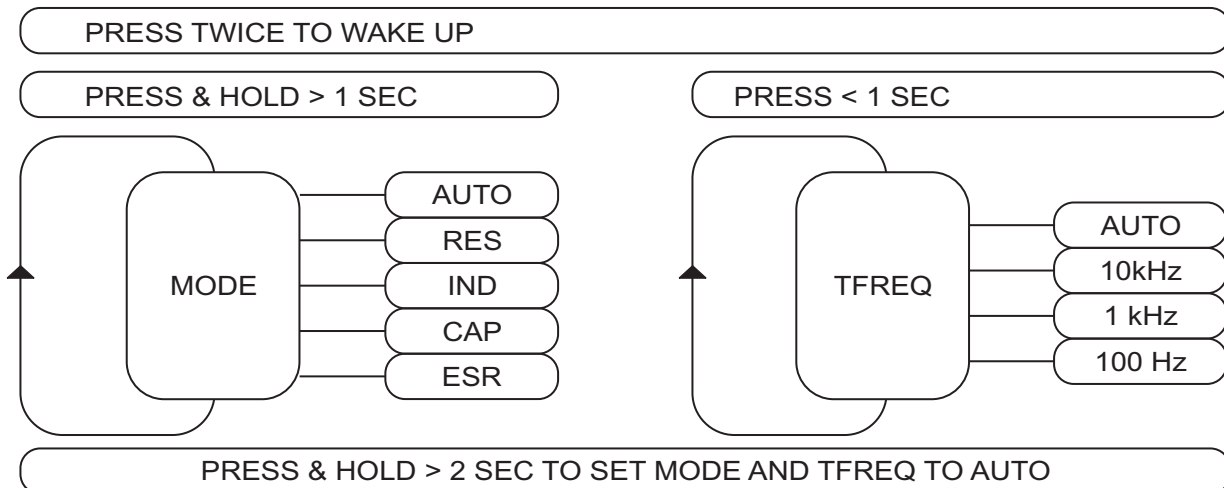
SMART TWEEZERS™ Colibri™

⚠ DISCHARGE CAPACITOR BEFORE MEASUREMENTS

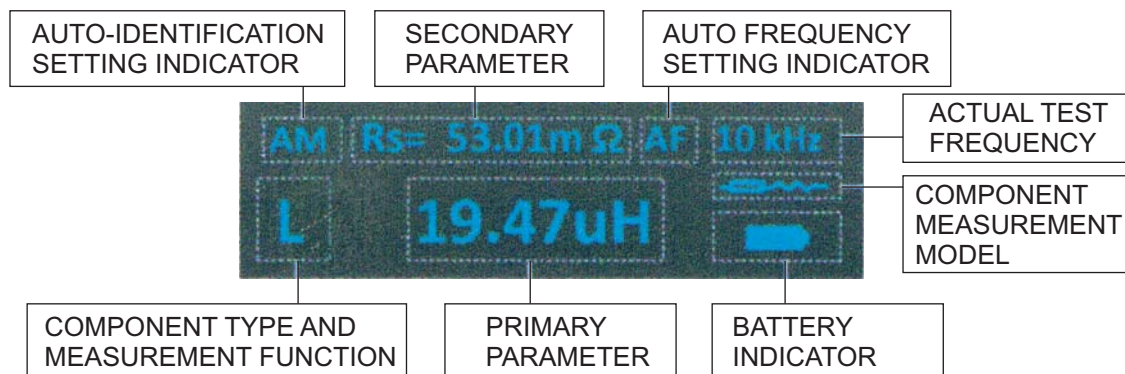
Measuring with Colibri

- Press button twice to turn LCR Meter ON
- The device powers off automatically if it not operational for 60 seconds.
- To change test frequency press button
- To change measurement function press button and hold it for 1 second
- To set test frequency and measurement function to AUTO press button and hold it for 2 seconds

Menu Structure



Display Layout



Measurement Functions:

AM - Auto-identification of L, C or R; L - Inductance + Resistance
C - Capacitance + Resistance; ESR - equivalent series resistance

Test Frequencies:

AF - Auto selection of optimal test frequency
100Hz, 1kHz, 10kHz

Specifications

Test Frequency	: 100Hz, 1kHz, 10kHz
Test Signal	: 0.45Vrms, CW
Basic Accuracy*	: Resistor - 0.5% (1% Rx<10ohm ; 0.5% 10ohm R<Rx<5MOhm ; 1% Rx>5MOhm Capacitors** - 1% (5% Cx<100pF ; 1% 10pF<Cx<5000uF ; 5% Cx>5000uF) Inductance - 1% (5% Lx<10uH ; 1% 10uH<Lx<500mH ; 5% Lx>500mH)
Battery life	: up to 20 hours of continuous operation
Charge time	: up to 3 hours, DC 5V, 50mA
Physical specifications	: Dimensions 148x20x15 mm, Weight 29g, Operating temperature 0-50C

* Optimal test frequency, offset subtracted from the result. Typical offset for resistance - 0.035Uhm, for capacitance - 0.3pF

** Capacitors with Cx<5pF can be measured only with manual settings