

# SMART TWEEZERS™ Colibri™

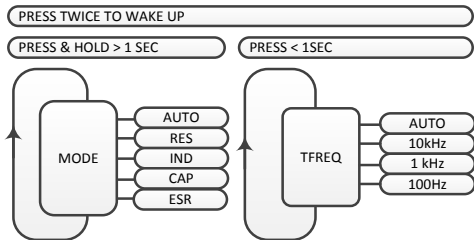


DISCHARGE CAPACITOR BEFORE MEASUREMENTS

## Measuring with Colibri

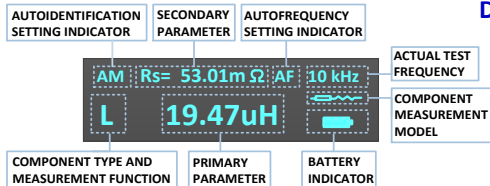
- Press button twice to turn LCR meter on.
- The device powers off automatically if it not operational for 60 seconds.
- To change **test frequency** press button.
- To change **measurement function** press key and hold it for 2 seconds
- To charge the device use a standard Micro USB charger or a computer

## Menu Structure



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## Display Layout



### Measurement functions:

AM - autoidentification of L, C or R  
L - inductance + resistance  
C - capacitance + resistance  
ESR - equivalent series resistance

### Test frequency:

AF - auto selection of the optimal test frequency  
Or 100Hz, 1kHz, 10kHz

## Specifications

<b>Test frequency:</b>	100Hz, 1kHz, 10kHz
<b>Test signal:</b>	0.45Vrms, CW
<b>Basic accuracy*:</b>	Resistors 0.5% (1% Rx < 10Ω ; 0.5% 10Ω < Rx < 5MΩ ; 1% Rx > 5MΩ)
	Capacitors** 1% (5% Cx < 10pF ; 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 specification:** Dimensions 148x20x15 mm, Weight 29g, Operating temperature 0 - 50C

\* optimal test frequency, offset subtracted from the result. Typical offset for resistance - 0.035 Ohm, for capacitance - 0.3pF

\*\* capacitors with Cx < 5pF can be measured only with manual settings.