



Smart Tweezer LCR Meter

Model: ST-5S-BT2, ST-5S and ST-5C

IMPORTANT SAFETY INFORMATION

Please read these instructions carefully before use and retain for future reference.

- Please operate according to this manual, otherwise the protection provided by the device will be impaired or fail.
- Check the condition before using. If you find any cracking, breakage, damage or abnormality, or you consider the device broken, stop using the device immediately
- Do not store or operate the instrument at high temperature and high humidity environment.
- Recharge the battery via USB when the display indicates the battery is getting low.
- The meter powers off automatically after 60 seconds if not used.

WARNING: Always discharge all capacitors before attempting measurement.

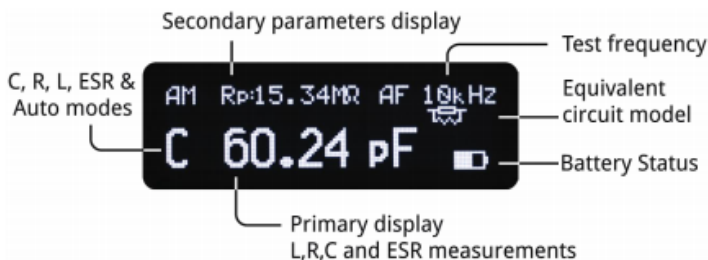
WHAT'S INCLUDED

- LCR Smart Tweezer style meter.
- Storage holster.
- Instruction manual.

FEATURES

- The LT5 range of professional quality, low cost LCR/ESR-meters are a perfect solution for testing, identifying components and troubleshooting electronic circuits.
- The unique design combines a pair of tweezer like probes and a digital LCR-meter in one compact and lightweight device.
- The gold-plated precision probes are designed to work with smallest SMT components.
- It displays component type and value include a secondary parameter for capacitors and inductors. Automatic component identification and test frequency selection simplifies measurement by elimination unnecessary trial and error time.
- Long battery life and extremely low sleep current makes this device an ideal choice for broad spectrum of applications.
- Using it provides a quick and convenient way to test, sort and evaluate SMT components and perform on-board measurement and debugging.

OPERATION



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

FUNCTIONS

Measurement functions:

- AM - auto identification 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

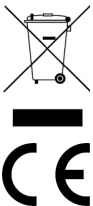
SPECIFICATIONS

Feature	ST-5S-BT2	ST-5S	ST-5C
Automatic component recognition	✓	✓	✓
L,C,R measuring modes	✓	✓	✓
ESR measuring mode	✓	✓	✓
Z measuring mode	✓	✓	
Diode testing	✓	✓	
DCR measuring mode	✓	✓	
Component sorting	✓	✓	
Manual test override	✓	✓	✓
Variable test signal level	(0.5, 1.0 VRMS)	(0.5, 1.0 VRMS)	(0.5 VRMS)
Auto offset subtraction	✓	✓	
OLED display	✓	✓	✓
Accuracy (typ) Resistance	0.2%	0.2%	0.5%
Accuracy (typ) Capacitance	0.5%	0.5%	1.0%
Accuracy (typ) Inductance	0.5%	0.5%	1.0%
Bluetooth	✓		
Battery life	Up to 20 hours of continuous operation		
Charging time	Up to 3 hours DC 5V 50mA micro USB		
Dimensions	148 x 20 x 15mm		
Weight	29g		

MAINTENANCE

Cleaning the casing

- Wipe using a damp cloth or sponge. Do not use solvents as these may damage the casing. Do not immerse in water.



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT

These symbols indicate that separate collection of Waste Electrical and Electronic Equipment (WEEE) or waste batteries is required. Do not dispose of these items with general household waste. Separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of the battery and WEEE recycling schemes available in your area.

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