

INTRODUCTION

The LCR-ST2 and LCR-ST1 are portable tweezer-type LCR meters for engineers, R&D staff, and lab technicians needing precise testing in tight spaces. They accurately measure resistance, capacitance, inductance, diodes, and voltages up to 30V, with multiple frequencies and full-band scanning for fast analysis.

Both have HD display showing real-time data clearly. Especially, the LCR-ST2 adds intelligent sorting, dual-mode display, frequency sweep, and calibration functions. Both are lightweight and ergonomic, suitable for one-handed operation, making them ideal choices for on-site, R&D, and lab use.



LCR-ST2

LCR-ST1

FEATURES

- Precision tweezer design for small components/SMD; optional Kelvin clips for plug-in testing
- Fast, high-accuracy measurement of resistance, capacitance, inductance, diodes, and voltage
- Supports a wide range of component types
- Intelligent sorting for improved batch testing efficiency
- Series and parallel dual-mode display for intuitive comparison
- HD color screen with clear, easy-to-read data
- 300mAh Li-ion battery for long-lasting operation

100K LCR/ESR Meter Smart Tweezer LCR-ST2

$\leq 0.7V$ $1\mu H-10H$
 $\pm 30V$ Continuity
 $1pF-22mF$ $10m\Omega-10M\Omega$

- ✓ Sorting & Scan
- ✓ Auto R/C/L/Z/X/D/Q/θ
- ✓ $\pm 30V$ DC Measurement
- ✓ Series / Parallel Equivalent

Intelligent Sorting & Comparison

Preset Component Reference Values
Auto Pass / Fail Determination
Improved Batch Testing Efficiency

LCR/ESR METER (SMART TWEEZERS)

Resistance Capacitance Inductance
 Diode Continuity Accurate & fast

- 0.3V-0.6V RMS test level
- 100-100kHz test frequency
- D/Q/Z/X value measurement

Full Coverage Frequency Testing

Supports 100Hz, 120Hz, 1kHz, 10kHz, and 100kHz test frequencies

TECHNICAL SPECIFICATIONS

		LCR-ST2				LCR-ST1		
Frequency		100Hz/120Hz	1 kHz	10 kHz	100 kHz	100Hz	1 kHz	10 kHz
Capacitance	1mF-22mF	5%±3	5%±3	/	/	5%±3	5%±3	/
	1μF-1mF	2%±3	2%±3	2%±3	5%±3	2%±3	2%±3	2%±3
	1nF-1μF	2%±3	0.5%±3	0.5%±3	5%±3	2%±3	0.5%±3	0.5%±3
	1pF-1nF	/	2%±3	2%±3	5%±3	/	2%±3	2%±3
Inductance	1H-10H	5%±3	5%±3	/	/	5%±3	5%±3	/
	1mH-1H	2%±3	2%±3	/	/	2%±3	2%±3	2%±3
	10μH-1mH	2%±3	0.5%±3	0.5%±3	5%±3	2%±3	0.5%±3	0.5%±3
	1μH-10μH	/	2%±3	2%±3	5%±3	/	/	2%±3
Resistance	1MΩ-10MΩ	5%±3	5%±3	/	/	5%±3	5%±3	/
	1kΩ-1MΩ	1%±3	0.5%±3	1%±3	/	1%±3	0.5%±3	1%±3
	1Ω-1kΩ	1%±3	0.5%±3	1%±3	5%±3	1%±3	0.5%±3	0.5%±3
	10mΩ-1Ω	2%±3	2%±3	2%±3	5%±3	2%±3	2%±3	2%±3
Voltage	±30V				/			
Diode	Forward Voltage ≤ 0.7V				Forward Voltage < 0.7V			
Measurement Speed	Fast / Slow				/			
Screen Orientation	Auto, Right-Handed, Left-Handed				/			
Frequency Sweep	✓				/			
Intelligent Sorting	✓				/			
Dual-Mode Display	✓				/			
Calibration	✓				/			

GENERAL CHARACTERISTICS

	LCR-ST2	LCR-ST1
Display	1.47" HD Color Screen	1.14" HD Color Screen
Battery	3.7V / 300mAh Li-ion battery	3.7V / 250mAh Li-ion battery
Product Color	Black	Black
Product Size	168*28*18 mm	150*29*14 mm
Product Net Weight	61g	44g
Standard Carton	42*40*32 cm	55*39.5*32.5cm
Carton Gross Weight	13.05kg	18.5kg
Quantity Per Carton	50PCS	100PCS
Standard Accessories	Main Device*1, Bag*1, Bent Nozzle *1, Iron Plate*1, Data Cable*1, User Manual*1	Main Device*1, Hook Head(one pair)*1, Magnetic Cable*1, Data Cable*1, User Manual*1