LCR-58

Tweezer LCR Meter with ESR

The LCR-58 Capabilities:

Resistance Measurement
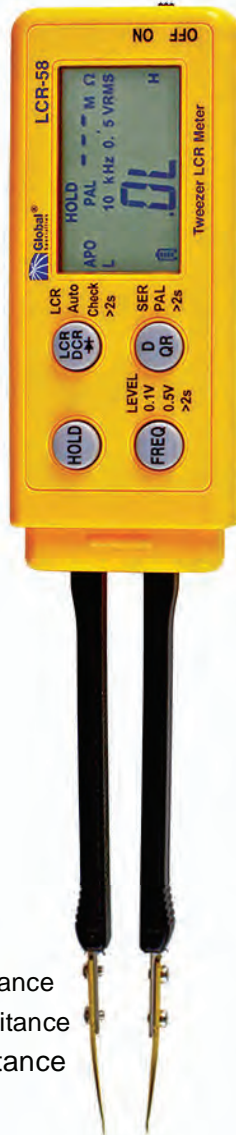
Capacitance Measurement

Inductance Measurement

ESR Measurement

DCR Measurement

Diode Test

Overview:

The LCR-58 Tweezer LCR Meter is a compact LCR (inductance, capacitance, and resistance) meter with a tweezer form factor. It is small enough for one-hand operation and ideally suited to testing Surface Mount Devices (SMD).

Although the LCR-58 is much smaller and lighter than traditional LCR meters, it is a high quality, precise full-feature LCR meter with ESR and Diode Test.

The Tweezer LCR Meter has Auto Select Mode, which automatically identifies and measures the correct component type. In addition you can manually select between Parallel or Series mode.

Features:

- Resistance
- Capacitance
- Inductance
- ESR
- DCR
- Diode Test
- Parallel or Series Mode
- Auto Select Mode
- Data Hold
- Manual or Auto Range
- Manually Selectable Frequency

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LCR-58 comes with the following items:

Operating Instructions Manual

Specifications:	
Test frequency	100/120 Hz, 1 kHz, 10 kHz
Test signal level	0.5 Vrms
Basic accuracy	1 – 3% + 5 dgts
Resistance range (resolution)	60 Ω – 20 M Ω (0.01 Ω)
Capacitance range (resolution)	600 pF – 6 mF (0.1 pF)
Inductance range (resolution)	60 µH – 200 H (0.1 µH)
Display	6000 count LED
Polarity	Automatic, (-)negative polarity indication
Over range	"OL" mark indication
Low battery indication	The "▭" is displayed when the battery voltage drops below the operating level
Sampling rate	2 samples per second, nominal
Auto power off	Approx. 30 minutes
Operating environment	0ºC – 40ºC (32ºF – 104ºF) at < 70% R.H.
Storage environment	-20ºC – 60ºC (-4ºF – 140ºF) at < 80% R.H. with battery removed from meter
Power	3.0 V button-type lithium battery ×2, CR2032
Battery life	50 hours continuous operation
Size	205mm(H) × 40 mm(W) ×24.5mm(D)
Weight	Approx. 3.9 oz (110g) including battery

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