

TECPEL

20000 Counts LCR Meter Dual Display Auto-Ranging



Model: LCR-612

Outstanding Features:

- **Basic accuracy:**
 - 0.5% for Resistance
 - 0.7% for Inductance, Capacitance
- **Dual Displays** provide quick tested results readouts, with L.C.R. Display values up to 19999 counts and Q.D.R. display values up to 9999 counts
- **Excellent resolutions:**
 - Resistance up to 0.001 Ω
 - Inductance Capacitance up to 0.1 μ H/0.1pF
- **Provided up to 4 testing parameters:**
 - Ls+(Q,D,Rs), Lp+(Q,D,Rp)
 - Cs+(Q,D,Rs), Cp+(Q,D,Rp)
- **Auto-Power Off function:**
 - To conserve battery life for longer use.
- **Fuse detection function:**
 - To inform that the fuse is open or damaged.
- **PC communication port:**

LCR-612 specifications:

Display:

L\C\R—4½ digits, maximum reading of 19999.

Q\D\R—4 digits, maximum reading of 9999.
(Auto range).

Parameter Measurement:

Ls+(Q,D,Rs), Lp+(Q,D,Rp)
Cs+(Q,D,Rs), Cp+(Q,D,Rp)

Overload: "OL" is display.

Test Frequency: 1KHz and 120Hz.

Range Mode: Auto and Manual.

Auto Power Off:

The meter key switch inactive for more than 5 minutes, press power key to resume operation.

Measurement rate: Approx. 1 time per second, nominal.

Power Requirement:

- (1). Single standard 9-volt battery.
(NEDA 1604, IEC 6F22 006P)
- (2). External DC Adapter 12Vmin to 15Vmax / 50mA.
(optional)

Overload Protection: 0.1A/250V fast below fuse.

Dimensions: 192mm(H) x 91mm(W) x 52.5mm(D).

Weight: 365g. (including accessories)

Capacitance Ranges:	8 Ranges	1KHz Accuracy	120Hz Accuracy
	20 mF	Nil	+/- (5.0 % + 5 Counts) / (DF < 0.1)
	2000 uF	+/- (5.0 % + 5 counts) / (DF < 0.1)	+/- (1.0 % + 5 counts) / (DF < 0.1)
	200 uF	+/- (1.0 % + 5 counts) / (DF < 0.5)	+/- (0.7 % + 3 counts) / (DF < 0.5)
	20 uF	+/- (0.7 % + 3 counts) / (DF < 0.5)	+/- (0.7 % + 3 counts) / (DF < 0.5)
	2000 nF	+/- (0.7 % + 3 counts) / (DF < 0.5)	+/- (0.7 % + 3 counts) / (DF < 0.5)
	200 nF	+/- (0.7 % + 3 counts) / (DF < 0.5)	+/- (0.7 % + 5 counts) / (DF < 0.5)
	20 nF	+/- (0.7 % + 5 counts) / (DF < 0.5)	+/- (1.0 % + 5 counts) / (DF < 0.1)
	2000 pF	+/- (1.0 % + 5 counts) / (DF < 0.1)	Nil
Resolution up to 0.1 pF			
Inductance Ranges: (DF < 0.5)	8 Ranges	1KHz Accuracy	120Hz Accuracy
	10000 H	Nil	No specified
	2000 H	No specified	+/- (1.0% + 5 counts)
	200 H	+/- (1.0% + 5 counts)	+/- (0.7% + 5 counts)
	20 H	+/- (0.7 % + 5 counts)	+/- (0.7% + 5 counts)
	2000 mH	+/- (0.7 % + 5 counts)	+/- (0.7% + 5 counts)
	200 mH	+/- (0.7 % + 5 counts)	+/- (1.0% + 5 counts)
	20 mH	+/- (1.2% + 5 counts)	+/- (2.0% + 5 counts)
	2000 uH	+/- (2.0% + 5 counts)	Nil
Resolution up to 0.1uH			
Resistance Ranges:	7 Ranges	1KHz/ 120 Hz Accuracy	
	10 M Ohm	+/- (2.0% + 8 counts)	
	2000 K Ohm	+/- (0.5% + 5 counts)	
	200 K Ohm	+/- (0.5% + 3 counts)	
	20 K Ohm	+/- (0.5% + 3 counts)	
	2000 K Ohm	+/- (0.5% + 5 counts)	
	200 K Ohm	+/- (0.8% + 5 counts)	
	20 Ohm	+/- (1.2% + 8 counts)	
Resolution up to 0.001 Ohm			

LCR Test Lead

Model : **TL-06 (Option)**

Features:

- TL-06 is specially designed for measuring SMD (Surface mount device) resistor, capacitor and inductor
- Suitable for any multimeter with banana terminal input.



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