LCR Meters

LCR Meter

EMC-LVD

LCR-610

- ❑ L.C.R. 3-function measurement
- ❑ 1% Basic accuracy
- ❑ High resolution 0.1μH, 0.1pF and 1mΩ
- ❑ 0.1μH to 200H inductance measurement
- ❑ 1mΩ to 20MΩ resistance measurement
- ❑ Dissipation factor measurement
- ❑ Zero adjustment
- ❑ The test lead TL-06 (option) is specially designed for measuring SMD (surface mount device) resistor, capacitor and inductor

Capacitance ranges	200pF, 2nF, 20nF, 200nF, 2uF, 20μF, 200μF, 2mF, 20mF, 9 ranges
	Resolution: 0.1pF-10μF. Accuracy 200pF-200μF 1%+2dgts, 2mF-20mF 2%+2dgts
Inductance ranges	200μH, 2mH, 20mH, 200mH, 2H, 20H, 200H, 7 ranges
	Resolution: 0.1μH - 100mH, Basic Accuracy: 3%+2 dgts
Resistance ranges	2Ω, 20Ω, 200Ω, 2KΩ, 20KΩ, 200KΩ, 2MΩ, 20MΩ, 8 ranges
	Resolution: 0.1mΩ - 10KΩ, Basic Accuracy: 2%+2dgts
General	**Power requirements:** 9V battery,
	Dimension: 175x87x35mm (6.8"x 3.4"x1.37")
	Weights: 12.2 oz(350g) comes complete with test leads, battery and owners manual

Dual Display Auto-Ranging

RS-232

EMC-LVD

LCR-612

- ❑ 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 (auto range)
- ❑ Excellent resolutions: resistance up to 0.001W, inductance capacitance up to 0.1μH/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
- ❑ Fuse detection function: to inform that the fuse is open or damaged
- ❑ External DC adapter functions

LCR Test Lead

TL-06

- ❑ The test lead TL-06 (option) is specially designed for measuring SMD (surface mount device) resistor, capacitor and inductor

Capacitance ranges	8 Ranges	1KHz Accuracy	120Hz Accuracy
	20mF	Nil	± (5.0 %+5 counts)/(DF<0.1)
	2000μF	± (5.0 %+5 counts)/(DF<0.1)	± (1.0 %+5 counts)/(DF<0.1)
	200μF	± (1.0 %+5 counts)/(DF<0.5)	± (0.7 %+3 counts)/(DF<0.5)
	20μF	± (0.7 %+3 counts)/(DF<0.5)	± (0.7 %+3 counts)/(DF<0.5)
	2000nF	± (0.7 %+3 counts)/(DF<0.5)	± (0.7 %+3 counts)/(DF<0.5)
	200nF	± (0.7 %+3 counts)/(DF<0.5)	± (0.7 %+5 counts)/(DF<0.5)
	20nF	± (0.7 %+5 counts)/(DF<0.5)	± (1.0 %+5 counts)/(DF<0.1)
	2000pF	± (1.0 %+5 counts)/(DF<0.1)	Nil
	Resolution: up to 0.1 pF		
Inductance ranges	8 Ranges	1KHz Accuracy	120Hz Accuracy
	10000H	Nil	No specified
	2000H	No specified	± (1.0%+5 counts)
	200H	± (1.0%+5 counts)	± (0.7%+5 counts)
	20H	± (0.7 %+5 counts)	± (0.7%+5 counts)
	2000mH	± (0.7 %+5 counts)	± (0.7%+5 counts)
	200mH	± (0.7 %+5 counts)	± (1.0%+5 counts)
	20mH	± (1.2%+5 counts)	± (2.0%+5 counts)
	2000μH	± (2.0%+5 counts)	Nil
	Resolution: up to 0.1 μH		

Resistance ranges	7 Ranges 1KHz/120Hz accuracy	
	10MΩ	± (2.0% + 8 counts)
	2000KΩ	± (0.5% + 5 counts)
	200KΩ	± (0.5% + 3 counts)
	20KΩ	± (0.5% + 3 counts)
	2000KΩ	± (0.5% + 5 counts)
	200KΩ	± (0.8% + 5 counts)
	20Ω	± (1.2% + 8 counts)
	Resolution up to 0.001Ω	
Parameter measurement	Ls+(Q,D,Rs), Lp+(Q,D,Rp); Cs+(Q,D,Rs), Cp+(Q,D,Rp)	
Overload	"OL" is display	
Range mode	Auto and manual	
Test frequency	1KHz and 120Hz	
Measurement rate	Approx. 1 time per second, nominal	
General		
Power requirement	(1). Single standard 9V battery (NEDA 1604, IEC 6F22 006P)	
	(2). External DC adapter 12Vmim to 15Vmax/50mA. (optional)	
Auto power off	The meter key switch inactive for more than 5 minutes	
Overload protection	0.1A/250V fast below fuse	
Dimension (HxWxD)	192x91x52.5mm (7.55"x3.58"x2.1")	
Weight	365g (including accessories)	
Accessories	Comes complete with leads, battery, software disk and owners manual	