


## INTRODUCTION

Digital LCR Meter Model LCR-360 has a 3-1/2 digits LCD Display with steady operations, fashionable design and highly reliable hand-held measuring instrument.

The LCR-360 can measure inductance, capacitance, resistance, transistor, diode and continuity buzzer test.

## GENERAL SPECIFICATIONS

- Fuse Protection for Inductance and capacitance Input Terminal : 0.315A, 250V, fast type fuse, ~ 5x20 mm.
- Maximum Display: Display : 1999 Count 3 ½ Digits
- Measurement Speed : Updates 2-3 times / second.
- Polarity : Auto. (Display "-" when negative)
- Overloading : Display "1"
- Range : Manual Ranging
- Temperature:  
Operating: 0°C -40°C (32°F -104°F).  
Storage: -10°C -50°C (14°F -122°F).
- Relative Humidity:  
≤75% @ 0°C - 30°C;  
≤50% @ 31 - 40°C.
- Altitude:  
Operating : 2000 m.  
Storage : 10000 m.
- Battery Type : One piece of 9V Alkaline (NEDA1604 or 0062 or 6F22 or 006P).
- Battery Deficiency : Displays 
- Dimensions (H x W x L) : 172 x 83 x 38 mm.
- Weight : Approximate 310g (battery included).
- Safety / Compliances : EMC EN61326.
- Certification : CE

## ACCURACY SPECIFICATIONS

- Accuracy : ±(a% reading + b digits), guarantee for 1 year.
- Operating Temperature : 23°C ±5°C.
- Relative Humidity : <75%.
- Temperature Coefficient : 0.1 x (specified accuracy) / 1°C



\*Technical Specifications & Appearance are subject to change without prior notice

**RESISTANCE**

Range	Resolution	Accuracy
200Ω	0.1Ω	±(0.8%+3)
2kΩ	1Ω	±(0.8%+1)
20kΩ	10Ω	
200kΩ	100Ω	
2MΩ	1kΩ	
20MΩ	10kΩ	±[2%(rdg-12)+5]

**Remarks:**

- Overload protection : 250V DC or AC RMS at all ranges.

**CONTINUITY & DIODES**

Function	Range	Resolution	Overload Protection
Diode		1mV	250V RMS
Continuity		1Ω	

**Remarks:**

- Diode:  
Open Circuit Voltage around 5.8V, forward current around 1mA.
- Continuity:  
≤10, beeper comes on continuously.  
> 10Ω, beeper may or may not comes on.

**CAPACITANCE**

Range	Resolution	Accuracy	Testing Frequency Voltage
2.000nF	0.001nF	±(1%+5)	1kHz/150mV
20.00nF	0.01nF		
200.0nF	0.1nF		
2.000μF	0.001μF	±(4%+5)	100Hz/15mV
20.00μF	0.01μF		
200.0μF	0.1μF		
600μF	0.001mF	Reference only	100Hz/1.5mV

**Remarks:**

- Overload Protection : 0.315A, 250V, fast type fuse, φ5x20 mm
- Measure of Capacitance : 1F=10<sup>3</sup>mF = 10<sup>6</sup>μF= 10<sup>9</sup>nF = 10<sup>12</sup>pF

**INDUCTANCE**

Range	Resolution	Accuracy	Testing Frequency Voltage
2mH	0.001mH	±(2%+8)	1kHz/150mV
20mH	0.01mH		
200mH	0.1mH		
2H	0.001H	±(5%+5)	100Hz/15mV
20H	0.01H	±(5%+15)	

**Remarks:**

- Measure of Inductance : 1H=10<sup>3</sup>mH = 10<sup>6</sup>μH.
- Overload Protection : 0.315A, 250V, fast type fuse, φ5x20 mm

**TRANSISTOR TEST**

Range	Resolution	Testing Condition	Remarks
hFE	1β	Vce = 5.8V Ibo = 10μA	The display value is the tested transistor's (NPN, PNP) nearest value (0 ~ 100013)