



LCR METER DOT 734



- Measures Inductance, Capacitance, Resistance, Transistor, Diode and continuity buzzer test.
- 1999 Count 3 1/2 Digits display

GENERAL SPECIFICATIONS

Fuse Protection for Inductance and capacitance Input Terminal	0.315A, 250V, fast type fuse, ~ 5x20 mm
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)
Dimensions (H x W x L) / Weight	172 x 83 x 38 mm / ~300g
Safety / Compliances	EMC EN61326, CE

Technical Specifications

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]

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)	

DIODE & CONTINUITY

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

TRANSISTOR

Range	Resolution	Testing Condition	Remarks
hFE	1β	Vce = 5.8V I _{bo} = 10μA	The display value is the tested transistor's (NPN, PNP) nearest value (0 - 100013)

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: 250V DC or AC rms at all ranges.
- At 20MΩ range, short circuit test lead, LCD displaying 12 digits is normal. During measurement minus these 12 digits from the obtained reading.
- When measuring 20Ω and 200Ω range, short circuit test clips to display the resistance value of the test lead. Subtract this value from the measurement value to obtain the correct tested value.

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DOT TECHNOLOGIES

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