

# LCR METER

Model : LCR-9073

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

*The Art of Measurement*

# LCR METER, Model : LCR-9073

## FEATURES

* Professional LCR meter, used the exclusive microprocessor circuit, intelligent function, high quality.	* Memory function to record the maximum & minimum reading with recall.
* Wide range measurement for Inductance, Capacitance and Resistance measurement.	* " % SET " function, for checking the accuracy value of the individual components easily.
* Each range is calibrated & adjusted by the internal EPROM, high accuracy.	* Zero button, can deduct the stray impedance of the test lead.
* Data hold function to hold the desired value on display.	* Continuity beeper for resistance 200 ohm range.
* Super large LCD with unit display, easy readout.	* RS232 computer interface.
* Built-in low battery indicator.	* Optional software for data record & data acquisition.

## GENERAL SPECIFICATIONS

Display	67 mm x 27 mm large LCD display. 18 mm x 7.5 mm, digit size.	% SET ( accuracy checking )	0.1 %, 0.25%, 0.5%, 1%, 5%, 10 %, 20%, 30% accuracy value warning setting.
Measurement	<i>Inductance ( L ) :</i> 5 ranges : 2 mH to 20 H.	Sampling Time	Approx. 0.5 sec.
	<i>Capacitance ( C ) :</i> 7 ranges : 2 nF to 1000 uF.	Data Output	RS 232 PC serial interface.
	<i>Resistance ( R ) :</i> 6 ranges : 200 ohm to 20 M ohm.	Operating Temperature	0°C to 50°C ( 32°F to 122°F).
	<i>Continuity beeper</i>	Operating Humidity	Less than 80% RH.
	<i>Diode test</i>	Power Supply	Alkaline or heavy duty type DC 9V battery, 006P, MN1604 (PP3) or equivalent.
Circuit	Custom one-chip of microprocessor LSI circuit.	Power Consumption	Approx. 9 mA ( buzzer Off ) Approx. 11 mA ( buzzer On )
Calibration	Each range is calibrated by internal EPROM circuit, high accuracy.	Weight	340 g/0.75 LB.
Data hold	To freeze the display reading on the LCD display.	Dimension	204 x 90 x 36 mm ( 8.0 x 3.5 x 1.4 inch
Memory Recall	Records Maximum & Minimum readings with recall.	Accessories Included	Instruction manual..... 1 PC. Test alligator clips..... 1 PC.
		Optional	Software ( Windows version, data record & data acquisition )
Zero button	Zero button is used to deduct the stray impedance value of test lead.	Accessories	.....SW-U801-WIN RS232 cable.....UPCB-02

## FUNCTIONS & RANGES

L ( Inductance )	20 H x 0.01 H, 2 H x 0.001 H, 200 mH x 0.1 mH, 20 mH x 10 uH, 2 mH x 1 uH
C ( Capacitance )	2 nF x 1 pF, 20 nF x 10 pF, 200 nF x 100 pF, 2 uF x 0.001 uF 20 uF x 0.01 uF, 200 uF x 0.1 uF, 1000 uF x 1 uF.
R ( resistance )	20 M x 10 K ohm, 2 M x 1 K ohm, 200 K x 100 ohm, 20 K x 10 ohm, 2 K x 1 ohm, 200 x 0.1 ohm .
Continuity beeper	For the 200 ohm range, if the measurement value less than 10 ohm, the beeper will sound. It is the useful function for the continuity check.
Diode test	Short/non conductance, good/defect test.
Data hold	To freeze the display reading on the LCD display.
Memory	Records Maximum & Minimum readings with recall.
Zero Adjustment	Zero button on the front panel, it can deduct any test lead stray impedance.
Component accuracy checking, % SET	If the component ( L, C, R ) accuracy value are within the specification, the beeper will sound.
RS-232 interface	Isolated (photo couple) RS-232 serial data output, 9600 baud rate. If the LCR meter combine the computer & apply the optional software ( Model : SWU-801-WIN, available for WIN95/WIN98 ), whole system will be the useful data logger, data recorder.... The computer screen will show text display, analog display, chart display. It also build in the high & low limit, data query, data report & chart report...