

LCR-9073A 智慧型 LCR 錶



產品規格:

- ◎ 電感：1 μ H~20H 分爲 5 檔， $\pm 2\%$
- ◎ 電容：1pF~200 μ F 分爲 6 檔， $\pm 2\%$
- ◎ 電阻：0.1 Ω ~20M Ω 分爲 6 檔， $\pm 1\%$
- ◎ 二極體測試功能
- ◎ Size：204 x 90 x 36mm

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
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[Http://www.100y.com.tw](http://www.100y.com.tw)

100 Hz, 1 KHz test frequency
RS232/USB computer interface

LCR METER

Model : LCR-9073A

FEATURES

- * Professional LCR meter, used the LSI-circuit and exclusive microprocessor circuit, high reliability and High measuring accuracy.
- * Wide ranger measurement for Inductance, Capacitance and Resistance measurement.
- * Test frequency : 100 Hz, 1 KHz.
- * Input overload protection
- * Rotary switch function selector.
- * RS232/USB Computer interface.
- * Diode test.
- * Large LCD display with backlight.
- * Built-in low battery indicator

Range	Current through Inductance under test
2 mH	150 u A
20 mH	150 u A
200 mH	150 u A
2 H	150 u A
20 H	15 u A

Overload Rating

AC 10V (50 Hz/60 Hz) max, or DC 10V max.,
less than 30 second.

C (Capacitance)

Range	Resolution	Test Frequency	Accuracy
2 nF	1 pF	1 kHz	± (2 % + 2d)
20 nF	10 pF	1 kHz	± (2 % + 2d)
200 nF	100 pF	1 kHz	± (2 % + 2d)
2 uF	0.001 uF	1 kHz	± (2 % + 2d)
20 uF	0.01 uF	100 Hz	± (2 % + 2d)
200 uF	0.1 uF	100 Hz	± (2 % + 2d)

pF = pico Farad (10⁻¹² F)
nF = nano Farad (10⁻⁹ F)
uF = micro Farad (10⁻⁶ F)

Range	Voltage across Capacitance under test
2n F	150 mV
20 nF	150 mV
200 nF	150 mV
2 uF	150 mV
20 uF	150 mV
200 uF	15 mV

Overload Rating

Charged capacitor 100 uF/ 50 V Max.

R (Resistance)

Range	Resolution	Accuracy
200 Ω	0.1Ω	± (1 % + 2d)
2 kΩ	1 Ω	± (1 % + 2d)
20 kΩ	10 Ω	± (1 % + 2d)
200 kΩ	100 Ω	± (1 % + 2d)
2 MΩ	1 kΩ	± (1 % + 2d)
20 MΩ	10 kΩ	± (2 % + 2d)

Range	Open circuit Voltage
200 Ω	2.4 V
2 kΩ	2.4 V
20 kΩ	Approx. DC 250 m V
200 kΩ	Approx. DC 250 m V
2 MΩ	Approx. DC 250 m V
20 MΩ	Approx. DC 250 m V

GENERAL SPECIFICATIONS

Display	67 mm x 27 mm large LCD display. 17 mm x 9 mm, digit size. * With LCD backlight ON/OFF control.
Measurement	Inductance (L) : 5 ranges : 2 mH to 20 H. Capacitance (C) : 6 ranges : 2 nF to 200 uF. Resistance (R) : 6 ranges : 200 ohm to 20 Mega ohm. Diode test
Circuit	Custom one-chip of microprocessor LSI circuit
Sampling Time	Approx. 0.4 second.
Data Output	RS 232/USB PC computer interface. * Connect the optional RS232 cable UPCB-02 will get the RS232 plug. * Connect the optional USB cable USB-01 will get the USB plug.
Over Input Indication	Show " 1 " indicator.
Operating Temperature	0 °C to 50 °C (32 °F to 122 °F).
Operating Humidity	Less than 80% RH.
Power Supply	Alkaline or heavy duty type DC 9V battery, 006P, MN1604 (PP3) or equivalent.
Power Consumption	Approx. 12 mA.
Weight	314 g/0.69 lb.
Dimension	204 x 90 x 36 mm (8.0 x 3.5 x 1.4 inch).
Accessories Included	Instruction manual..... 1 PC. Test alligator clips..... 1 Pair.
Optional Accessories	* Data Acquisition software, SW-801-WIN * USB cable, USB-01 * RS232 cable, UPCH-02

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)

L (Inductance)

Range	Resolution	Test Frequency	Accuracy
2 mH	1 uH	1 kHz	± (2 % + 2d)
20 mH	10 uH	1 kHz	± (2 % + 2d)
200 mH	100 uH	1 kHz	± (2 % + 2d)
2 H	1 mH	1 kHz	± (5 % + 2d)
20 H	10 mH	100 Hz	± (5 % + 2d)

uH = micro Henry (10⁻⁶ H)
mH = milli Henry (10⁻³ H)

Overload Rating

AC / DC 500V at 20 seconds Max.

Diode test

Short/non conductance, good/defect test

* Appearance and specifications listed in this brochure are subject to change without notice.

0905-LCR9073A

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