

Electronic components tester LCR-T4

USER MANUAL

Features:

- 2013 latest M328 version of the software, more functions. Chip: Atmega328
- 128*64 big Backlight LCD display, only 2mA when stand by.
- Using 9V battery (Not included).

Test ranges:

- Inductors, Capacitors, Diodes, Dual Diode, MOS, Transistor, SCR, Regulator, LED tube, ESR, Resistance, Adjustable Potentiometer
- Resistance: 0.1 ohm resolution, maximum 50 Mohm
- Capacitor: 25 pf – 100,000 uf
- Inductors: 0.01 mH – 20 H

Function:

- Automatic detection of NPN and PNP transistors, N-channel and P-channel MOSFET, diode (including double diode), thyristor, transistor, resistor and capacitor and other components.
- Automatic test the pin of a component, and display on the LCD.
- Can detect the transistor, MOSFET protection diode amplification coefficient and the base to determine the emitter transistor forward biased voltage.
- Measure the gate and gate capacitance of the MOSFET threshold voltage.
- Use 12864 liquid crystal display with green backlight.

Specifications:

- One-button operation, automatic shutdown.
- Only 20nA shutdown current.
- Automatically detect NPN, PNP bipolar transistors, N-channel and P-channel MOSFET, JFET, diodes, two diodes, thyristors small power unidirectional and bidirectional thyristor.
- Automatic identification components pin arrangement.
- Measuring bipolar transistor current amplification factor and base - emitter threshold voltage.

- Identify Darlington transistors via the base - emitter threshold voltage and high current amplification factor.
- Can detect bipolar transistors and MOS transistors protection diodes.
- Measuring the gate MOSFET threshold voltage and the gate capacitance.
- Can simultaneously measure two resistors and resistor symbol is displayed. Displayed on the right with a decimal value of 4. Resistance symbol on both sides shows the pin number. So you can measure the potentiometer. If the potentiometer wiper is not transferred to an extreme position, we can distinguish the middle and both ends of the pin.
- Resistance measurement resolution is 0.1 ohms, 50 Mohms can be measured.
- Can measure capacitance of 30pF-100mF, resolution 1pF.
- 2uF more capacitors can simultaneously measure the equivalent series resistance ESR values. The two can be displayed with a decimal value, resolution 0.01 ohms.
- Can be in the correct order and the diode symbol display two diodes, and gives the diode forward voltage.
- LED is detected as a diode forward voltage higher. Combo of the LED is identified as two diodes.
- Zener diode can be identified if reverse breakdown voltage is less than 4.5V.
- Can measure a single diode reverse capacitance.
- If the bipolar transistor connected to the base and collector or emitter of a pin, it can measure the collector or emitter junction reverse capacitance.
- Can be obtained with a single measurement rectifier bridge connection.

Notice:

- Before measuring capacitance, the capacitor must be discharged, otherwise very likely damage the meter.
- The screen is not fixed.