

LCR-614 10KHz HANDHELD LCR METER



- Up to 0.25% measurement accuracy
- Stylish dual-color molded housing
 - Maximum 40,000 readings of main parameters, D/Q resolution 0.0001
- Ultra-low power consumption of 25mA
 - Innovative five-terminal test slot and three-terminal banana jack compatible configuration
- Intelligent automatic LCR selection function
- Test speed up to 4 times/second, fast auto-ranging design
- Constant 100 Ohm output impedance
 - Percentage display and 1/5/10/20% four-level tolerance comparison mode
- Data hold and maximum/minimum/average recording function
- Practical function configuration selection and working status saving capability
- Standard Mini-USB communication interface, SCPI command set
- Fresh and stylish two-color injection molded housing

TECPEL, leveraging its leading impedance testing technology, has launched the industry's most powerful new-generation LCR-614 handheld LCR digital bridge. This product is the culmination of Tailing's years of unremitting efforts and exploration in the field of passive component testing. The LCR-614 handheld LCR digital bridge features an ultra-low power consumption design and high-density SMD assembly process. Main and auxiliary parameters can be simultaneously displayed on a backlit LCD screen. It boasts a clean and bright one-piece molded dual-color casing, simple and clear operation, and a test signal frequency up to 10kHz. With 40,000-digit readings for main parameters and a loss factor resolution of 0.0001, it can perform accurate and convenient measurements of passive components for extended periods in any location. The LCR-Meter-10KHz-DCR resistance, inductance, and capacitance tester, designed to meet the needs of different



environments, adds multiple signal potential tests to the LCR 614, achieving a test accuracy of up to 0.1%. The LCR-614 provides USB interface communication capabilities, facilitating data communication and remote control with a PC.

Product Introduction

The handheld LCR-614 has a detection frequency of 10KHz which can measure the value of the component more accurately.

Measurement Specification

Display Digits : 39,999 digits
Test Signal : 100 / 120 / 1K / 10K Hz
Capacitance Measurement : 0.01p ~ 20.000m F
Inductance Measurement : 0.01μ ~ 1000.0 H
Resistance Measurement : 0.0001 ~ 10.000M Ω
Accuracy : Max ±0.25%
Test Voltage : 0.6V rms
Detection Rate : 4times / Sec. or 1.5 times / Sec.
Signal source output impedance : 100 Ω

Product Features

Calibration Function : Open / short
Backlit Display :
Series and Parallel Equivalent modes :
Loss Measurement (D) : 4digits display
Quality Factor (Q) : 4digits display
Phase angle (θ) : ±180.0°
Tolerance Mode : 1%、5%、10%、20%
Auto Shut-off : 5 mins、15 mins、30 mins、60 mins 、 OFF
Button Lock :
Data Transfer : USB

Product Information

Working Environment : 5~35°C / lower than 75%RH without dew。
Storage Environment : 0~50 °C / lower than 75%RH without dew。
Elevation Limitation : Lower than 1,000 meters
Power Supply : AC:110V 60Hz / 9V Battery
Dimension : 96 x 193 x 47 mm
Weight : 374g
Accessory : SMD test clip, USB transmission line, connector socket, CD, manual