

INTRODUCTION

The LC1020E is a portable LCR Bridge Tester designed for laboratories, production lines, and field maintenance. It supports multi-parameter measurements (L/Q, C/D, R/D) with selectable series or parallel analysis, enabling rapid evaluation of component performance. Batch testing is made easy with audio-visual alerts for instant feedback. Supporting frequencies up to 100 kHz, it provides highly accurate measurements of inductors, capacitors, and resistors. Real-time data recording & data hold make it adaptable to a variety of scenarios. The 2.8-inch TFT color display delivers clear, easy-to-read data, while long battery endurance ensure reliable testing anywhere. Combining precision, portability, and ease of use, the LC1020E is an ideal testing solution for engineers, technicians, and electronics enthusiasts.

FEATURES

- Multi-parameter Meas. (L/Q, C/D, R/D) with selectable mode series & parallel
- Wide frequency range: 100 Hz–100 kHz, RMS levels:0.1V/0.3V/0.6V
- Supports open/short calibration to compensate for fixture and lead effects
- High-precision measurement, 0.3% accuracy
- 0.1%–99.9% tolerance setting with automatic pass/fail judgment of components
- Real-time data recording & data hold, adaptable to a variety of scenarios.
- Supports automatic sleep mode for energy saving.
- Languages: English / Chinese



**Frequency & RMS Test Level
Multi-Range Selectable**

Offers 5 test frequencies and 3 RMS voltage levels for precise and versatile measurements.

100Hz
RMS Levels:0.1v

120Hz

1KHz
RMS Levels:0.3v

10KHz

100KHz
RMS Levels:0.6v





TECHNICAL SPECIFICATIONS			
Test Frequency	100Hz/120Hz/1KHz/10KHz/100KHz	Basic Accuracy	0.3%
Display Digits	Main/Secondary Parameter: 4.5 Digits	Measurement Parameters	Main Parameter: AUTO/R/C/L/Z Secondary Parameter: X/D/Q/ θ /ESR
Measurement Range	L: 0-100H, C: 0-100mF, R: 0-10M	Measurement Speed	4/s (Fast), 2/s (Medium), 1/s (Slow)
Internal Bias	0.0V / 0.5V	Test Level	0.1V / 0.3V / 0.6V
Calibration Functions	Open Circuit Calibration Short Circuit Calibration	Test Terminal Configuration	Three-terminal, Five-terminal
Output Impedance	100 Ω	Communication Interface	USB-TypeC (Virtual Serial Port)
Comparison Function	✓	Record Function	✓
Data Hold	✓	Audio-Visual Alert	✓
Auto-Off	✓	Brightness Adjustment	✓

GENERAL CHARACTERISTICS			
Battery	3.7V/3000mAh lithium battery	Display	2.8-inch TFT LCD display
Product Color	Black & Blue	Product Size	185*85*35mm
Product Net Weight	299g	Standard Carton	42.5*42*28.5cm
Carton Gross Weight	15.1kg	Quantity Per Carton	20 PCS
Standard Accessories	Main Device*1, Data Cable*1, Shorting Plate*1, Kelvin Test Clip*1, Test Leads (Black&Red)*1, User Manual*1		