

## 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

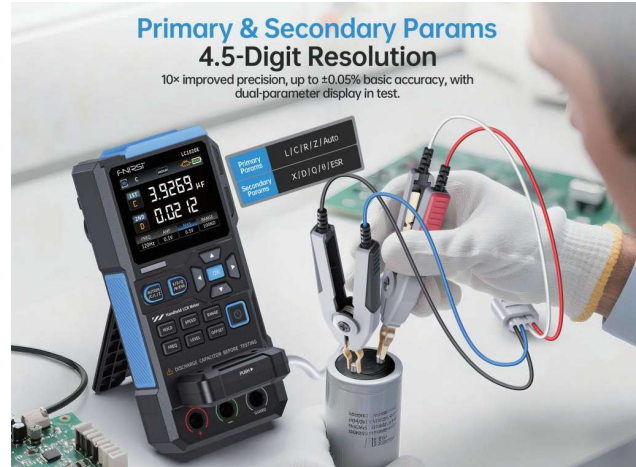
RMS Levels:0.3v

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	100Ω	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		