

DIGITAL LCR METER

EDC-1620



The EDC-1620 is a low-cost, high performance digital LCR meter with the basic measurement accuracy of $\pm 0.2\%$. A guard terminal is provided to improve the measurement accuracy. The placement of the decimal point of the measured value for the selected range is automatically adjusted by the instrument.

The optional plug-in adapter makes the measurement of axial-or radial-lead components easy. When quick go/no-go decision making is required for a specific application such as production test, the Preset Comparator PC-1620-1 is available as an option

■ FEATURE

- 0.2% Accuracy
- High Stability
- Excellent temperature stability
- High resolution (5 digital display)
- CPU controlled AC bias sinewave delivers highly stable D and Q measurement range
- Easy to use with wide measurement range
- Suitable for volume production testing when PC-1620-1 Comparator is used

■ Technical Specification

Measurement Parameters	Inductance & Q, Capacitance & D, Resistance
Display	5 digits for L, C, R, 4 digits for D, Q
Selectable Frequencies	1kHz (1020.0Hz±0.01%), 120Hz±0.01%
Circuit Modes	Parallel, Series
Range	3 ranges and Up/Down Auto Indicator
L Measurement	0.1μH~999.99H (At 1kHz), 1μH~9999.9H (At 120Hz)
C Measurement	0.1pF~999.99μF (At 1kHz), 1pF~9999.9μF (At 120Hz)
R Measurement	1mΩ~9.9999MΩ (At 1kHz), 10mΩ~99.999MΩ (At 120Hz)
Q (with, L)	0.01~999.9 (fully automatic)
D (with, C)	0.0001~9.999 (fully automatic)
Accuracy (L)	0.2% of reading (200μH~200H)
Accuracy (C)	0.2% of reading (200pF~200μF)
Accuracy (R)	0.2% of reading (2Ω~2MΩ)
Q accuracy	0.01 + 0.2 (1 + Q)% of reading
D accuracy	0.001 + 0.2 (1 + D)% of reading
DC Bias (Ext.)	45mA, 0.45mA, and 0.0045mA in, range 1, 2, and 3 respectively with 30V DC Max.
Operating Conditions	0~45°C, 85% or Less (R.H.)
Input Power	110/220V, 50/60Hz
Dimensions	365(W) X 100(H) X 340(D)mm
Weight	9kg

Accessories

- Test Clip (TC-1620): 1ea
- AC Power Cord: 1ea
- Instruction Manual: 1ea

Option

- Test Fixture (TF-1620)



TEXT FIXTURE TF-1620 (OPTION)



Presettable Comparator PC-1620-1 (OPTION)
Accessory : CC-1620-1 Cable(1 ea)

■ Presettable Comparator PC-1620-1

Preset Range	L.C.R: 5 digits (Upper and Lower Limit) D.Q: 4 digits (Upper and Lower Limit)
Indicator	Judge: "GOOD" and "GO" with Alarm Limit Over: High and Low
Input Power	Supplied from EDC-1620
Dimensions	360(W)×40(H)×214(D)mm
Weight	5kg