

200kHz LCR Meter

LCR-106X



< MEAS DISP >		
FUNC : Cp-D	RANGE : AUTO	PrtSc
FREQ : 1 kHz	SPEED : SLOW	
LEVEL : 1.0V	COMP : OFF	SAVE DATA
Cp: -0.0104p F		
D : 0.1905		
Vm: OFF Im: OFF		
U disk is available!		
		SINGLE SHORT
		SINGLE OPEN

Brief introduction

■ LCR-106X is a multifunctional LCR precision digital bridge for inspection of all kinds of electronic components. Using 4.3 inches LCD TFT display. It is a high-speed, broadband, 5 bit test resolution of the impedance measuring instrument, 40Hz-200kHz multi frequency points and 0.1% accuracy can meet the requirements of various occasions component parameters detection. Is a high cost of quality testing equipment.

Performance characteristics

- 32 bit core processor, the data is completely compared to foreign first-class equipment
- 4.3 inch color TFT display
- 30 Ω , 100 Ω , two different signal source output impedance
- 5 BIN comparator
- When closing the instrument, the test conditions are automatically saved.
- 100 files can be saved inside the instrument, and save the file to the U disk
- Double operating system in Chinese and English
- Using U disk, upgrade instrument operating system
- Can save measurement data and screen graphics to U disk, U disk using FAT16 and FAT32 format
- Standard interface: RS232C、HANDLER、USB HOST ;
Optional interface: USB DEVICE , earphone interface , Foot

Technical index

Test parameter	L, C, R, Z , D, Q, X, ESR, θ (Deg), θ (Rad)
Test frequency	LCR-106X: 40Hz, 50Hz, 60Hz, 75Hz, 100Hz, 120Hz, 150Hz, 200Hz, 250Hz, 300Hz, 400Hz, 500Hz, 600Hz, 750Hz, 800Hz, 1kHz, 1.5kHz, 2kHz, 2.5kHz, 3kHz, 4kHz, 5kHz, 6kHz, 7.5kHz, 10kHz, 12kHz, 15kHz, 15.7kHz, 16.2kHz, 20kHz, 25kHz, 30kHz, 40kHz, 50kHz, 60kHz, 66.6kHz, 75kHz, 100kHz, 120kHz, 150kHz, 200kHz, a total of 41 frequency points.
Basic measurement accuracy	0.1%
Test signal level	0.05V, 0.1V, 0.2V, 0.25V, 0.3V, 0.4V, 0.5V, 1V
Equivalent circuit	In series, parallel
Mathematics function	Percentage deviation
Range mode	Automatic, hold, manual selection
Trigger mode	Internal, external
Measuring speed (≥ 1 kHz)	Fast: the fastest 30 times per second, Medium: 10 times per second, Slow: 3 times per second
Average number of times	1—255
Delay Time	0—6s, 1ms step by step
Calibration function	Open circuit/short circuit/quick clearing
Display mode	Direct reading , $\Delta\%$, V/I (To monitor the measured voltage and current)
Monitor	5 bit display, 4.3 inch color LCD display
Output impedance	30 Ω or 100 Ω can choose
Display range	
Z , R, X, ESR	0.1m Ω — 99.999M Ω
C	0.01 pF — 9.9999F
L	0.01 μ H — 99999 H
D	0.0001 — 9.9999
Q	0.0001 — 9999.9
θ (Deg)	-179.99° — 179.99°
θ (Rad)	-3.1416 — 3.1416
$\Delta\%$	-999.99% — 999.99%

switch interface、 GPIB		Comparator Function	5 document sorting function
		Storage	100 files can be saved inside the instrument, and save the file to the U disk
		Interface	Standard interface: RS232C、 HANDLER、 USB HOST ; Optional interface: USB DEVICE , earphone interface , Foot switch interface、 GPIB
		Size	265mm(W) *100mm (H) *340mm(L)
		Weight	Packed about 5kg
Standard Accessories		Optional Accessories	
GF26004-1	Four terminal Kelvin test cable	GF26005B	Four terminal test box
Power cord		GF26010	Gold plated copper
		GF26009B	SMD test fixture
		GF26008A	SMD test box