PC Software

LCR-8200Series

PC Software Guide

VERSION: 1.00



ISO-9001 CERTIFIED MANUFACTURER



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Software Overview

NTRODUCTION

This manual is suitable for all models in the LCR-8200 Series. The LCR Meter PC Software Guide describes how to use the PC software on Windows OS based computers (Windows 10, Windows 7 supported).

This manual consists of the following chapters:

- Setup: Installation, Configuration, Connection
- TEST MODE/EDIT MODE: Edit step measurement parameters, executing step measurement and logging step measurement results.

Step	Freq	Level	First	1-P/F	Second	2-P/F	Third	3-P/F	Fourth	4-P/F	AC-Vm	AC-IM	DC-Vm	DC-Im	
1	1kHz	1V	459,4551n		29,2860		98,6164m		97,4536m		1.0001m	10,1121m	4,0657m	41,6583m	
2	10kHz	1V	477.1580n		304.4448m		102.9393m		97.0784m		1.0597m	10.1205m	4.0435m	41.6255m	
3	100kHz	1V	476.0481n		2.9741		315.5655m		96.9695m		3.2924m	10.1224m	4.0414m	41.6243m	
4	500kHz	1V	469.7968n		11.3691		1.4816		97.0047m		15.5994m	10.1206m	4.0426m	41.6243m	
5	1MHz	1V	463.3324n		16.8454		2.9163		96.9206m		30.7245m	10.1292m	4.0343m	41.6224m	
6	5MHz	1V	450.3715n		41.1284		14.1530		96.9070m		155.3213m	10.5932m	4.0412m	41.6198m	
7	10MHz	1V	446.3454n		61.0334		28.0485		97.0026m		347.2912m	12.0989m	4.0448m	41.6223m	
8	15MHz	1V	446.1968n		52.9086		42.0606		96.9121m		574.7028m	13.6113m	4.0442m	41.6470m	
9	20MHz	1V	446.1964n		44.7079		56.0847		96.8206m		595.8169m	10.8830m	4.0351m	41.6411m	
10	25MHz	1V	444.0379n		37.2382		69.7745		96.7157m		498.2727m	7.5939m	4.0309m	41.6540m	
11	30MHz	1V	438.4721n		36.4651		82.6811		96.7617m		416.0996m	5.6196m	4.0306m	41.6449m	
Test	Mada														
	"	Stan [S	tart	Sto		log sa	/e as	R	emove All				



Install PC software

The following describes how to install the LCR-8200 PC software and software suite on your PC.

PC system requirements:

- 1. CPU 1GHz
- 2. LCD: 1024x768
- 3. HD: 1GB
- 4. RAM: 4GB
- 5. OS: Win10/Win7
- 6. CD-ROM

Installing step

- 1. Go to the PC Software directory on the CD-ROM.
- 2. Click on setup.exe.

👘 setup

3. The installation wizard will start up. Follow the directions from the installation wizard. When choosing an install location it is recommended that the default location is chosen.

The default location for the software is C:\LCR Meter.

A program icon should be available from the Start Menu.



4. After the installation has completed, a shortcut icon for the LCR Meter software will be added to your desktop.



 Click on dotnetfx35.exe. Setup .NET Framework 3.5 suite. It is unnecessary for additional setting during installation process. Click "Next" to complete.



It is available to download the file from link below: https://www.microsoft.com/en-us/download/dev eloper-tools.aspx

6. Click on NIVISA1750full.exe. Setup NI-VISA17.5 suite. It is unnecessary for additional setting during installation process. Click "Next" to complete.

ሾ NIVISA1750full

It is available to download the file from link below: https://www.ni.com/zh-tw/support/downloads/d rivers/download.ni-visa.html

Install USB Driver

The USB driver needs to be installed when using the USB port for remote control. The USB interface creates a virtual COM port when connected to a PC. Simply skip this installation process if not adopting USB Port for PC connection control.

7. Install the USB VCP Driver (zadig-2.4.exe) from the CD

🗖 👝 抽取式磁碟 (E:)	*	名稱	類型	大小
🐌 USB VCP drivers		🛃 zadig-2.4	應用程式	5,038 KB

Installing step

8. Execute the Zadig program.



9. Connect the Type A-B USB cable to the rear panel USB B port on the LCR-8200Series. Connect the other end to the Type A port on the PC.



10. The Zadig software will detect the LCR-8200, select CDC, and press "Install Driver" to install the driver.

Device Options Hel	Detect the	LCR-8200
LCR-8200 Virtual ComPo	rt 🖌	
Driver (NONE) USB ID 2184 0062 WCID ²	USB Serial (CDC)	Hore Information WinUSB (libusb) libusb-win32 libusbK WinUSB (Microsoft)
		7adia 2.4.721

11. Successful installation.



12. The LCR-8200 and the COM port that it is assigned to will now appear under the Ports (COM & LPT) node.



13. Install the USB VCP Driver (zadig-2.4.exe) from the CD

7

Configuration

The device uses the GPIB/ LAN/ RS-232/ USB interface to communicate with the computer to complete all devices' functions. Before initiating the PC connection between the PC software and a LCR-8200, first set and confirm the SYSTEM CONFIG interface settings on the LCR-8200.

GPIB Interface

The computer and the measuring instrument are connected with GPIB cable (such as GW Instek's GTL-248), and the test piece will be tested on the computer through GPIB port, 24 pins.

Prior to connection, ensure that GPIB ADDRESS setting is identical to PC software setting

<system config=""></system>	
RS232 BAUD RATE	115200
R\$232 E01	CR+LF
LAN PORT	OFF
HANDLER INTERFACE	OFF
KEY BEEP	OFF

LAN Interface

10/100 Base Ethernet, 8 pins. The instrument will be connected to the LAN (Local Area Network) ports.

Set ON for LAN PORT and go to LAN SETUP to set network relevant settings. Or use AUTO followed by inserting network cable for auto setup. Prior to connection control, ensure that PC software IP setting is identical to CURRENT IP ADDRESS.

<system config=""></system>	
GPIB ADDRESS	7
RS232 BAUD RATE	115200
RS232 E01	CR+LF
LAN PORT	ON
HANDLER INTERFACE	OFF
KEY BEEP	OFF

LAN SETUP	
IP CONFIG	AUTO
-	
MAC ADDRESS 0	0:08:DC:47:00:20
LAN STATUS CONNECTED	D PORT 111
CURRENT IP ADDRESS	192.168. 31. 80
CURRENT SUBNET MASK	255.255.248. 0
CURRENT GETAWAY	192.168. 31.254
CURRENT DNS SERVER	172. 16. 1.252

RS-232C Interface

The RS-232C serial interface can be connected to the serial interface of a controller (PC or IPC) through a RS-232C cable (null modem, such as GW Instek's GTL-232).

Make sure that parameter of RS232 BAUD RATE setting is identical to PC software. Set RS232 EOI as LF.

<system config=""></system>	
GPIB ADDRESS	7
RS232 BAUD RATE	115200
R\$232_E01	LF
LAN PORT	OFF
HANDLER INTERFACE	OFF
KEY BEEP	OFF

USB Interface

The Type B USB port on the rear panel is used USB cable (A-B type, such as GW Instek's GTL-246) for remote control. This interface creates a virtual COM port (CDC) when connected to a PC.

The EOI of LCR-8200 return info will utilize the RS232 EOI set parameter.

<system config=""></system>	
GPIB ADDRESS	7
RS232 BAUD RATE	115200
RS232 E01	LF
LAN PORT	OFF
HANDLER INTERFACE	OFF
KEY BEEP	OFF

Connection

Open the PC software and connect the control cord to LCR-8200 in one end and PC side in the other end. Set software connection parameters followed by proceeding to measurement control.

Configure PC Software 1. Activate the PC software.



2. Click on the Setup/Communication menu and open the setting dialog.



3. Select one of the connection methods to proceed to parameters setup.

💀 Communication	settings	×
communication		
● R5232	PORT COM5 V BAUD 115200 V	
⊖ GPIB	GPIB Address 1	
O LAN	IP	
O USB	PORT COM5 V Connection]

4. Click on the Connection button. The PC software and the LCR-8200 will try to establish a connection (success), or an error message appears (fail).

Success GWINSTEK,LCR-8230,GET000002,1.35 PORT:COM1 BAUD:11520

Fail

	<
. R5232 is not connected. Please check if the comport or Baud is correct	
確定	
>	<
Please change the instrument setting "RS232 EOI" to "LF"	
· · · · · · · · · · · · · · · · · · ·	

The possible reasons of connection failure:

- Wrong interface port or patterm settings.
- Wrong wiring in the cable or the connectors of the cable are not well connected.
- 5. When connection is established, the model, serial number, FW version and control interface info of connected unit will be shown from LCR Meter software. The LOCK icon will be displayed in the lower-right corner from LCR-8200 LCD display, which signals that the unit is under connection control and thus the panel keys are not available.



CR Meter

The operation setting of PC software is identical with that of LCR-8200. It is the test method which integrates the Meter mode with LIST mode and provides the function of test log recording.

Note Before connecting the LCR meter to the software, remember to perform the Correction first. The PC software doesn't have the ability to perform the Open/Short correction. These functions can only be performed on the meter itself.

Edit Mode

	Set	ıp(S)	Mode	(M) He	lp(H)													
Step	Freq	Level	Speed	DC Bais	AC-Range	DC-Range	Trig Delay	AC/DC Delay	Avenge	ALC	RO	1-Func	1-Comp Mode	1-Standard	1-High	1-LOW	2-Func	2-Comp N
L	1kHz	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	9	e	0	Q	OFF
2	1	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF
3	1	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	9	9	9	Q	OFF
¥	5	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF
5	1MHz	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF
5	5MHz	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	9	9	9	Q	OFF
7	1	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF
3	1	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF
9	2	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	9	0	0	Q	OFF
10	2	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF
1	3	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	8	0	0	Q	OFF
req.		1		kHz 🗸	1-Fund	LS	\sim	2-Func	DFF ~			3-F	unc OFF	~	4-Fund	OFF	~	
.evel		1		v v	1-Comp Mo	de OFF	\sim	2-Comp Mode	DFF V			3-Comp	Mode OFF	\sim	4-Comp M	ode OFF	\sim	
5peed		MED	\sim		1-Standar	d 0	$\rm H_{-} \sim$	2-Standard			\sim	3-Stan	dard	~	4-Standa	rd		\sim
DC Bi	as	0	\ \	/	1-Hig	h 0	$\rm H^- \sim$	2-High			\sim	3-	High	~	4-H1	gh		\sim
AC-Rai	nge	AUTO	\sim		1-L0	W 0	$\rm H^- \sim$	2-LOW			\sim	3-	LOW	\sim	4-L	OW		\sim
DC-Ra	nge	AUTO	\sim															
	Delay	9		15	ALC	OFF	\sim	Add/Modif	/	Ins	ert		Сору	Del	ete	De	lete Al	1
irig i						100												

Test Mode	8.	- CR Meter												×			
iest mode	File(F) Setup(S) Mode(M) Help(H)																
	st	p Freq	Level	First	1-P/F	Second	2-P/F	Third	3-P/F	Fourth	4-P/F	AC-Vm	AC-Im	DC-Vm	DC-Im		
	1	1kHz	1V	483.4208n		30.6560m		99.1273m		95.7631m		1.0058m	10.1124m	3.9790m	41.4751m		
	2	10kHz	1V	479.8850n		304.4012m		103.5412m		95.8201m		1.0650m	10.1119m	3.9728m	41.4570m		
	3	100kH	z 1V	478.6103n		2.9766		317.2361m		95.8614m		3.3073m	10.1138m	3.9772m	41.4487m		
	4	500kH	z 1V	472.1458n		11.3676		1.4890		95.8767m		15.6580m	10.1110m	3.9739m	41.4480m		
	5	1MHz	1V	465.6929n		16.8591		2.9312		95.9072m		30.8419m	10.1182m	3.9786m	41.4466m		
	6	5MHZ	1V	452.6579n		41.4870		14.2248		95.7998m		155.9746m	10.5860m	3.9782m	41.4546m		
	7	10MHz	1V	448.7397n		62.8521		28.1987		95.9371m		349.3122m	12.1074m	3.9853m	41.4583m		
	8	15MHz	1V	448.8335n		55.0313		42.3085		96.0230m		576.8726m	13.5911m	3.9871m	41.4623m		
	9	20MHz	1V	449.0310n		47.1210		56.4396		95.8724m		594.0953m	10.7879m	3.9756m	41.4640m		
	10	25MHz	1V	447.1265n		39.4841		70.2570		95.8694m		496.0060m	7.5115m	3.9804m	41.4638m		
	11	30MHz	1V	441.7490n		39.7821		83.2940		95.8545m		414.0920m	5.5557m	3.9806m	41.4693m		
Test Mode																	
					6		<i>c</i> 1										
All O Step Start Stop Log save as Remove All																	
	~																
	GW	NSTEK,LC	K-8230,0	3E1000002,1	.35 PO	RT:COM1 E	AUD:96	00									

File

Test procedure management

Open File/SaveIt loads test procedure from PC and also saves currentFiletest procedure.



Open File When loading test procedure, the default directory is C:\LCR Meter. It only supports the file format (csv) saved by LCR Meter software.

━ 開啟		×
$\leftarrow \rightarrow \vee \uparrow$ — « SSD-OS (C	:) > LCR Meter 🗸 🖑	搜尋 LCR Meter P
組合管理 ▼ 新増資料夾		EE 🕶 🔲 ?
■ 本機 ③ 3D 初件 ◆ 下載 曾 文件 》 音樂 ■ 桌面 ■ 副片 ■ 影片 些 SSD-OS (C:) Battery Meter	22200507092015test ■ 20200507092105test ■ 20200507092105test ■ 20200507092131 ■ 20200512153322 ■ 20200512153551 ■ 20200513094243 ■ 20200518115555 ■ 20200518115555 ■ 20200518115555 ■ 20200518115555	修改日期 2020/5/7 上午 09:21 2020/5/7 上午 09:21 2020/5/7 上午 09:31 2020/5/12 下午 03: 2020/5/12 下午 03: 2020/5/12 下午 03: 2020/5/13 上午 09:4 2020/5/18 上午 10: 2020/5/18 上午 11:5 2020/5/18 上午 05:5 2020/5/18 上午 11:5 2020/5/18 L午 11:5 2020/5/18 L+ 11:5 2020/5/18 L+ 11:5 2020/5/18 L+ 11:5 2020/5/18 L+ 11:5 2020/5/18 L+ 11:5 2020/5/18
Intel	20200604145952 20200804145353_LQRsRDC	2020/6/4 下午 03:05 2020/8/4 下午 02:54
	< 20200804145353_LQR₅RDC	> (周啟(O) 取消

Save File When saving the currently edited test procedure, the default directory is C:\LCR Meter. The file format to save is csv file.

🖷 save a edit file		×
$\leftarrow \rightarrow$ \checkmark \uparrow \bullet ssd-os (C:)	→ LCR Meter v Ö 搜尋 LCR Meter	Q
組合管理 ▼ 新増資料夾		EE • (?)
🗊 3D 物件	^ 名稱 [^]	修改日期 ^
🕂 下載	20200507092254test	2020/5/7 上
◎ 文件	20200507093131	2020/5/7 上
	20200512153322	2020/5/12
	20200512154550	2020/5/12
三 泉面	20200512155551	2020/5/12
■ 園片	20200513094243	2020/5/13
📲 影片	20200518105028	2020/5/18
SSD-OS (C:)	20200518114952	2020/5/18
Battery Meter	20200518115535	2020/5/18
Brother	20200528175654	2020/5/28 -
Brother	20200604145952	2020/6/4 下
Intel	20200804145353_LQRsRDC	2020/8/4 下 🗸
LCR Meter	v <	>
檔案名稱(N): 2020081010312	3	~
存檔類型(T): csv files (*.csv)		~
▲ 陽藏資料夾	存福(S)	取消

Test procedure file (csv).

1	A	В	С	D	E	F	G	н	1	J	K	L	м	N	0	Ρ	Q	R	S
1	Date:20	20/08/04																	
2	Time:14	:54:17																	
3	File_nar	ne:C:\LCR M	leter/20200	004145353	LQRsRDC	.CSW													
4	Version	1.210																	
5	Instrum	ent Version:1	.35																
6	*****	********	IST SETUR	*******	*****														
7	Step	Freq	Level	speed	DC Bais	AC-Range	DC-Range	Trig Delay	AC/DC De /	Average	ALC	RO	1-Func	1-Comp M	1-Standard	1-High	1-Low	2-Func	2-Con
8		1 1kHz	1 V	MED		O AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0		0	0 Q	OFF
9		2 10kHz	1 V	MED		O AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0)	0 Q	OFF
10		3 100kHz	1V	MED		0 AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0)	0 Q	OFF
11		4 500kHz	1 V	MED		O AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0)	0 Q	OFF
12		5 1MHz	1 V	MED		O AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0		0	0 Q	OFF
13		6 5MHz	1 V	MED		O AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0)	0 Q	OFF
14		7 10MHz	1V	MED		O AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0)	0 Q	OFF
15		8 15MHz	1 V	MED		O AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0)	0 Q	OFF
16		9 20MHz	1V	MED		O AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0		0	0 Q	OFF
17		10 25MHz	1 V	MED		O AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0)	0 Q	OFF
18		11 30MHz	1 V	MED		O AUTO	AUTO	0	0	1	OFF	100	LS	OFF	0)	0 Q	OFF



System setup

Communication Setting	Connection communication interface parameter setting.												
	🖷 LCR I	Meter											
	File(F)	Setup(S)	Mode(M)	Help(H)									
	Step	Freq Level	Speed DC B	ais AC-Range	DC-								

Setting Select communication interface of connection and set the relevant parameters.

💀 Communication s	settings	×
communication		
● R5232	PORT COM1 v BAUD 115200 v	
⊖ gpib	GPIB Address 1	
O LAN	IP 192.168.31.81	
O USB	PORT ~ Connection	

Mode

PC software controls LRC-8200 to utilize Meter mode for measurement.

Edit Mode/Test Mode	Click Edit Mode to enter the test steps editing page. Click Test Mode to enter the test procedure measurement page.												
	Mode(M) Help(H) EditMode(E) TestMode(T) MED 0 AUTO 												
Edit Mode	Identical to the operation of LCR-8200, up to 4 test items and test parameters can be set for each test step, which can set range judgment for measured value. While measuring, it will follow steps order for measurement.												
	Ac/OC De18y 0 ms R0 100 V Average 1												

Step display

At the maximum of 200 steps can be set for test steps display area.

Step	Freq	Level	Speed	DC Bais	AC-Range	DC-Range	Trig Delay	AC/DC Delay	Avenge	ALC	RO	1-Func	1-Comp Mode	1-Standard	1-High	1-LOW	2-Func	2-Comp Ma
1	1kHz	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF
2	1	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF
3	1	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF
4	5	1V	MED	0	AUTO	AUTO	9	0	1	OFF	1.	LS	OFF	9	9	0	Q	OFF
5	1MHz	1V	MED	9	AUTO	AUTO	9	0	1	OFF	1.	LS	OFF	9	9	9	Q	OFF
6	5MHZ	1V	MED	9	AUTO	AUTO	9	0	1	OFF	1.	LS	OFF	9	9	9	Q	OFF
7	1	1V	MED	0	AUTO	AUTO	9	0	1	OFF	1.	LS	OFF	9	9	9	Q	OFF
8	1	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	9	9	9	Q	OFF
9	2	1V	MED	9	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	e	9	0	Q	OFF
10	2	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF
11	3	1V	MED	0	AUTO	AUTO	0	0	1	OFF	1.	LS	OFF	0	0	0	Q	OFF

Setup	Refer to the user manual of	Freq.	1	kHz 🗸		
	LCR-8200 for more detailed info of	Level	1	V V		
	each parameter.	Speed	MED 🗸			
	 Freq.: measure frequency. 	DC Bias	0] v		
	 Level: measure signal 	AC-Range	AUTO 🗸			
	voltage/current level.	DC-Range	AUTO 🗸			
	• Speed: measure speed.	Trig Delay	0	ms		
	 DC BIAS: DC Bias value. 	AC/DC Delay	0] ms		
	 AC-Range: AC measure range. 	Average	1]		
	 DC-Range: DC measure range. 	ALC	OFF	~		
	 Trig Delay: delay time before each measure. 	NO	100	·		
	 AC/DC Delay: delay time before each RDC measure. 					
	 Average: multiple measurements and take an average result. 					
	 ALC: automatic level control on/off. 					
	 RO: output impedance. 					
Function/Compari	 1~4-Func: measure parameter 	1-Func 1-Comp Mode	LS VALUE V]		
5011		1-Standard	0	н ~		
	 1~4-Comp Mode: comparison 	1-High	500.0000] nH ∨		
	runction. (values, Δ tolerance	1-Low	400.0000	nH 🗸		
	values and Δ toterance 70	2-Func	Q ~			
	■ 1~4-standard: compare nominal	2-Comp Mode	1.0000	~		
	values. Set only in the Δ and Δ %	2-High	1.0000	~		
	modes.	2-Low	-1.0000	~		
	 1~4-High: comparison of upper 	3-Func	z v			
	limit.	3-Comp Mode	∆% ∨			
	 1~4-Low: comparison of lower 					
	limit.	3-High	10.0000	× ×		
		3-LOW	-10.0000	7. ~		
		4-Comp Mode	e OFF V			
		4-Standard	0	Ω ~		
		4-High	0	Ω ~		
		4-Low	0	Ω ∨		



kHz ∨

Ω ∨ Ω ~ Ω ~

area, a test step will be newly Delete All added from set parameter when clicking button.
 Modify step: if selecting edited step from the test steps display area, each parameter of the selected step will be shown in the set area. After setting new parameters, click the button to take the test step setting into effect.
 Insert step: Click to select a step in the test steps display area. After setting parameters, click the button to insert a test step before the selected step.
 Copy step: Click the button to show the copy steps window. After setting, click OK button to create a copied step.
 Start: Start step
 End: End step
 Destination: Target step
 Front: Create copied step before the target step.
 Back: Create copied step after the target step.
 Delete step: Click to select a step in the test steps display area. Click the button to delete the selected step.
 Delete All: Delete all steps.

Test ModeConnect to LRC-8200 to utilize Meter mode for
measurement. It follows the steps order when
measurement is ongoing.

ricq	Level	First	1-P/F	Second	2-P/F	Third	3-P/F	Fourth	4-P/F	AC-Vn	AC-IM	DC-Vm	DC-IM		
 1kHz	1V	404.1227n	Pass	25.8400m	Pass	98.2981m	Pass	96.8296m	Fail	999.6115u	10.1272m	4.0400m	41.6912m	 	
10kHz	1V	397.2044n		253.5718m		101.5371m		96.9146m		1.0593m	10.1275m	4.0436m	41.6705m		
100kHz	1V	396.5211n		2.4793		268.6433m		96.8547m		3.2935m	10.1274m	4.0399m	41.6668m		
500kHz	1V	390.0973n		9.4303		1.2324		97.0182m		15.6061m	10.1247m	4.0416m	41.6638m		
1MHz	1V	383.6319n		14.0521		2.4165		97.0045m		30.7395m	10.1329m	4.0427m	41.6620m		
5MHz	1V	375.3639n		43.6924		11.7955		97.0493m		155.3180m	10.5924m	4.0445m	41.6533m		
10MHz	1V	387.0332n		176.6740		24.3184		97.0436m		346.9734m	12.0882m	4.0424m	41.6755m		
15MHz	1V	399.1948n		57.5955		37.6288		97.0821m		573.9527m	13.5934m	4.0413m	41.6713m		
20MHz	1V	672.1149n		20.8272		84.5578		97.0094m		596.4160m	10.8841m	4.0430m	41.6820m		
25MHz	1V	1.0501u		8.8639		165.9899		97.0582m		499.4615m	7.5984m	4.0422m	41.6719m		
30MHz	1V	-780.9544n		319.0942m		484.2430		97.0030m		417.3545m	5.6234m	4.0419m	41.6763m		

Test result When test finishes, the test row shows value with blue in background to indicate the value has been updated from the test result display area.

Step	Freq	Level	First	1-P/F	Second	2-P/F	Third	3-P/F	Fourth	4-P/F	AC-Vm	AC-Im	DC-Vm	DC-Im
1	1kHz	1V	404.1227n	Pass	25.8400m	Pass	98.2981m	Pass	96.8296m	Fail	999.6115u	10.1272m	4.0400m	41.6912m
2	10kHz	1V	397.2044n		253.5718m		101.5371m		96.9146m		1.0593m	10.1275m	4.0436m	41.6705m
з	100kHz	1V	396.5211n		2.4793		268.6433m		96.8547m		3.2935m	10.1274m	4.0399m	41.6668m
4	500kHz	1V	390.0973n		9.4303		1.2324		97.0182m		15.6061m	10.1247m	4.0416m	41.6638m
5	1MHz	1V	383.6319n		14.0521		2.4165		97.0045m		30.7395m	10.1329m	4.0427m	41.6620m
6	5MHz	1V	375.3639n		43.6924		11.7955		97.0493m		155.3180m	10.5924m	4.0445m	41.6533m
7	10MHz	1V	387.0332n		176.6740		24.3184		97.0436m		346.9734m	12.0882m	4.0424m	41.6755m
8	15MHz	1V	399.1940n		57.5955		37.6288		97.0821m		573.9527m	13.5934m	4.0413m	41.6713m
9	20MHz	1V	672.1149n		20.8272		84.5578		97.0094m		596.4160m	10.8841m	4.0430m	41.6820m
10	25MHz	1V	1.0501u		8.8639		165.9899		97.0582m		499.4615m	7.5984m	4.0422m	41.6719m
11	30MHz	1V	-780.9544n		319.0942m		484.2430		97.0030m		417.3545m	5.6234m	4.0419m	41.6763m

Freq.: measure frequency.

Level: measure signal voltage/current level. First~Fourth: measured value of 1~4-Func. 1~4-P/F: Comparing results of 1~4-Func. AC-Vm/Im: test signal voltage/current of the AC on the test object.. DC--Vm/Im: test signal voltage/current of the DC on the test object..

Test Mode/Button ■ ■	Test Mode: Test mode for step(s). All: The entire steps.	Test Mode Image: All image:
-	Step: Input a designated step in the blank box for test	
•	Start: Start test.	Start Stop
•	Stop: Finish test.	
•	Log save as: Save measured value and test steps as .csv file.	Log save as Remove All
•	Remove All: Erase the entire measured values.	



About

Version number of the LCR Meter software.





Click the X sign in the upper-right corner from LCR Meter software to finish and exit. The software will reconfirm again with prompt message.

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File(F) Setup(S) Mode(M) Help(H)															
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Step	Freq	Level	First	1-P/F	Second	2-P/F	Third	3-P/F	Fourth	4-P/F	AC-Vm	AC-Im	DC-Vm	DC-Im	
1	1kHz	1V	484.9642n	Fail	25.8813m	Pass	98.3457m	Pass	96.2365m	Fail	997.8073u	10.1134m	4.0010m	41.5663m	
2	10kHz	1V	396.7897n		253.2747m		101.5429m		96.3692m		1.0578m	10.1149m	4.0086m	41.5648m	
3	100kHz	1V	396.5641n		2.4788		268.6810m		96.3319m		3.2984m	10.1170m	4.0086m	41.5558m	
4	500kHz	1V	390.1484n		9.4322		1.2326		96.5339m		15.5903m	10.1151m	4.0134m	41.5496m	
5	1MHz	1V	383.6977n		14.0577		2.4169		96.5255m		30.7095m	10.1218m	4.0123m	41.5402m	
6	5MHz	1V	375.3859n		43.7072		11.7962		96.5133m		155.1715m	10.5806m	4.0136m	41.5431m	
7	10MHz	1V	386.9953n		176.6225		24.3160		96.5621m		346.5968m	12.0778m	4.0152m	41.5608m	
8	15MHz	1V	399.1457n		57.7183		37.6242		96.6603m		573.4887m	13.5804m	4.0134m	41.5631m	
9	20MHZ	1V	671.8979n		20.7926		84.5308		96.6232m		595.4254m	10.8689m	4.0155m	41.5749m	
10	25MHz	1V	1.0496u		8.7821		165.9437		96.4156m		498.4716m	7.5877m	4.0071m	41.5646m	
11	30MHZ	1V	-780.4127n		318.86538		484.2225		96.4975m		416.5986M	5.61640	4.0069m	41.5759m	
Test	Mode														
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