

Handheld LCR Meter

LCR-900 Series

LCR-916 (100kHz)

LCR-915 (10kHz)

GW INSTEK

Made to Measure

固緯電子實業股份有限公司

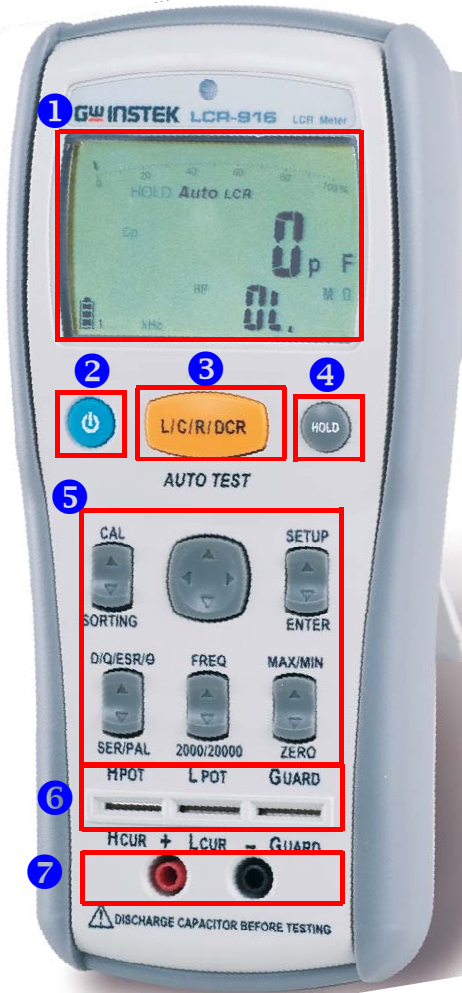
Product Introduction

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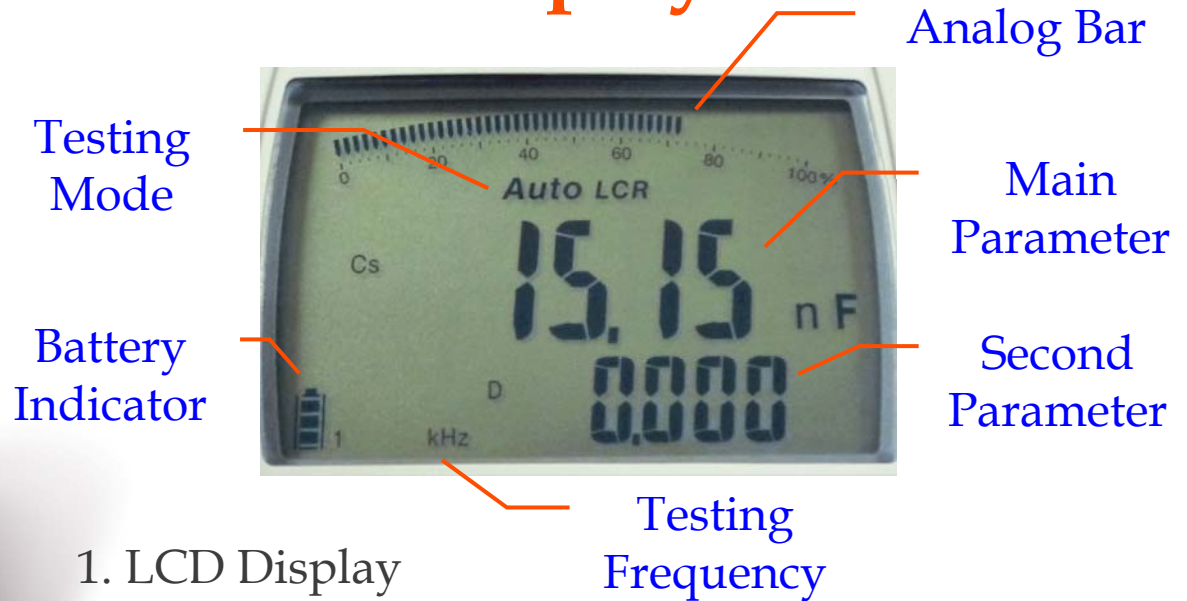
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Out-Look



Display



1. LCD Display
2. Power Key
3. Mode Key
4. HOLD Key
5. Function Keys
6. Component socket (5Wire)
7. 2Wire Input Terminals

Features

- * 20,000/2,000 Count
- * Dual Display
- * Testing Frequency : 100kHz/10kHz/1kHz/120Hz/100Hz
- * 0.2% Basic Accuracy
- * Auto LCR, Auto Range and Manual Measurement Mode
- * Measurable Parameters : L, C, R(AC/DC), D, Q, ESR, θ
- * Parallel/Serial Measurement Mode
- * 2-Wire & 5-Wire Measurement Supported
- * QC Sorting Mode
- * Max/Min (LCR-916 only)
- * 46 Segment Analog Bar Graph Display
- * USB Interface & PC Software Supported (LCR-915 optional)

Auto LCR



Auto LCR mode automatically identifies the specified L, C, or R parameters for both parallel and series circuits while the DUT is being measured.

Flexible Operation



5Wire
Measurement
Terminal



2Wire
Measurement
Terminal



Support 2Wire and 5Wire measuring terminal to assort with proper test fixture for measurement.

Flexible Operation

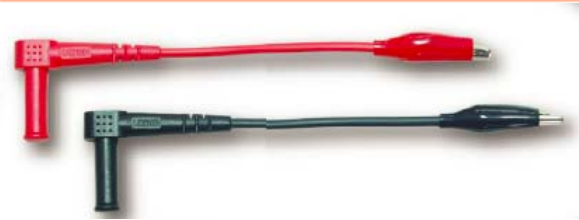


USB Interface



AA sized batteries, USB power or an AC adapter can be used to power the meters, giving you a number of options for portability.

Complete Accessories



2Wire Alligator Clip



Magnetic Hanging



Shorting Cube

Opt01
for all model

Opt02
for LCR-915



4Wire DIP test lead



AC Power Adaptor



4Wire SMD test probe



USB Cable



CD (PC software)

Comparison LCR-916 vs U1733C

Model Name	LCR-916	Agilent U1733C
Main Display	20,000 count	20,000 count
Analog Bargraph Display	46 Segments	25 Segments
Auto Backlit, Dual Display	•	Dual Display Only
Auto Selection on LCR testing	•	•
Simple User Interface Operation	•	•
Auto Ranging	•	•
Measurement Parameters	L,C,R,D,Q, θ ,EsR, DCR	Z , L,C,R,D,Q, θ , DCR
Testing Frequency	100Hz/120Hz/1kHz/10kHz/100kHz selectable	100Hz/120Hz/1kHz/10kHz/100kHz selectable
Parallel/Serial test mode	•	•
Sorting mode for QC	$\pm 0.1\%$, $\pm 0.2\%$, $\pm 0.25\%$, $\pm 0.5\%$, $\pm 1.0\%$, $\pm 2.0\%$, $\pm 5.0\%$, $\pm 10.0\%$, $\pm 20.0\%$, $+80\%/-20\%$	+/- (1%, 5%, 10%, 20%)
Data Hold	•	•
Self-Calibration	•	•
External DC Power operation	•	•
Max/Min	•	•
Zeroing Mode	•	•
Low Battery Indication	In segments	Low battery Symbol

Comparison LCR-916 vs U1733C

Model Name	LCR-916	Agilent U1733C
Auto Power Shot off	•	•
USB Interface	•	•
2 wires Easy Testing	•	•
5 wires Accuracy Testing	•	•
Full Accessories	Alligators, Magnetic Hanning Kit, 4 Wire SMD clip, Shorting Cube, AC adaptor, USB cable, CD-ROM software	Alligators, Optional purchasing
<i>Specification</i>		
Impedence Best Basic Accuracy	-----	2.0000Ω~200MΩ, +/--(0.2%+3d)
DC Resistance Best Basic Accuracy	20.000Ω~200MΩ, +/--(0.2%+2d)	2.0000Ω~200MΩ, +/--(0.2%+3d)
Resistance Best Basic Accuracy	20.000Ω~200MΩ, +/--(0.2%+2d)	2.0000Ω~200MΩ, +/--(0.2%+3d)
Inductance Best Basic Accuracy	20.000uH~20.000kH, +/--(0.2%+2d)	20.000uH~2000H, +/--(0.2%+3d)
Capacitance Best Basic Accuracy	20.000pF~20.000mF, +/--(0.2%+3d)	20.000pF~20.000mF, +/--(0.2%+3d)
Q Ranges	0.000~999	0.000~999
D Ranges	0.000~999	0.000~999
θ Ranges	+/-90°	-180°~'+180°

Comparison LCR-915 vs U1732C

Model Name	LCR-915	Agilent U1732C
Main Display	20,000 count	20,000 count
Analog Bargraph Display	46 Segments	25 Segments
Auto Backlit, Dual Display	•	Dual Display
Auto Selection on LCR testing	•	•
Simple User Interface Operation	•	•
Auto Ranging	•	•
Measurement Parameters	L,C,R,D,Q, θ , EsR, DCR	L,C,R,D,Q, θ
Testing Frequency	100Hz/120Hz/1kHz/10kHz selectable	100Hz/120Hz/1kHz/10kHz selectable
Parallel/Serial test mode	•	•
Sorting mode for QC	$\pm 0.1\%$, $\pm 0.2\%$, $\pm 0.25\%$, $\pm 0.5\%$, $\pm 1.0\%$, $\pm 2.0\%$, $\pm 5.0\%$, $\pm 10.0\%$, $\pm 20.0\%$, $+80\%/-20\%$	+/- (1%, 5%, 10%, 20%)
Data Hold	•	•
Self-Calibration	•	•
External DC Power operation	•	•
Max/Min	N/A	•
Zeroing Mode	•	•
Low Battery Indication	In segments	Low battery Symbol

Comparison LCR-915 vs U1732C

Model Name	LCR-915	Agilent U1732C
Auto Power Shot off	•	•
USB Interface	•	•
2 wires Easy Testing	•	•
5 wires Accuracy Testing	•	•
Full Accessories	Alligators, Shorting Cube, Magnetic hanging kit	Alligators, Optional purchasing
<i>Specification</i>		
DC Resistance Best Basic Accuracy	20.000Ω~200MΩ, +/- (0.2%+2d)	2.0000Ω~200MΩ, +/- (0.2%+3d)
Resistance Best Basic Accuracy	20.000Ω~200MΩ, +/- (0.2%+2d)	2.0000Ω~200MΩ, +/- (0.2%+3d)
Inductance Best Basic Accuracy	20.000uH~20.000kH, +/- (0.2%+2d)	20.000uH~2000H, +/- (0.2%+3d)
Capacitance Best Basic Accuracy	20.000pF~20.000mF, +/- (0.2%+3d)	20.000pF~20.000mF, +/- (0.2%+3d)
Q Ranges	0.000~999	0.000~999
D Ranges	0.000~999	0.000~999
θ Ranges	+/-90°	-180°~'+180°

LCR-900 Ordering Information

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Ordering Information

LCR-916 (100kHz) & Standard Accessory



2Wire Alligator Clip



Magnetic Hanging



Shorting Cube



4Wire SMD test probe



AC Power Adaptor



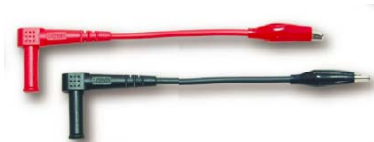
USB Cable



CD (PC software)

Ordering Information

LCR-915 (10kHz) & Standard Accessory



2Wire Alligator Clip



Magnetic Hanging

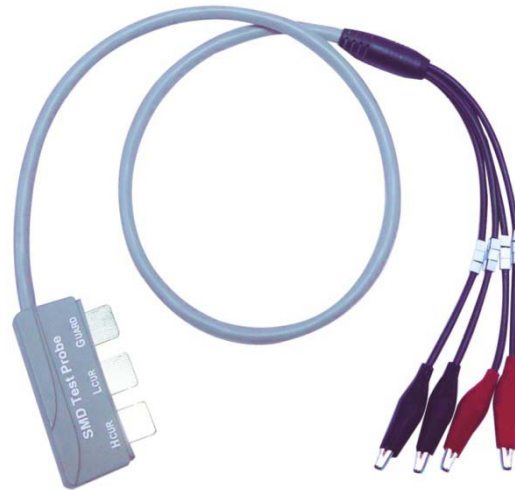


Shorting Cube

Ordering Information

Option for LCR-916 / 915

OPT.01



4Wire DIP test lead

Ordering Information

Option for LCR-915

OPT.02 Accessory Pack



SMD Test Probe



AC Power Adapter



USB Cable



PC Software