HAND HELD LCR METER

LCR-916/915 (100/10kHz)

CE USB

The LCR-916/915 is a smart, convenient and fully-functional dual display handheld LCR meter. The test frequency extends as high as 100 kHz/10kHz, providing greater flexibility to test a wider range of components. The LCR-916/915 uses a dual 20,000/2000 count display. The 20000 count display is used for displaying primary parameters such as capacitance, inductance, reactance and resistance and a 2000 count display is for secondary parameters such as Q, D, ESR and RP measurements. Secondary measurements can also be combined with the primary measurement while the primary measurement is still being taken.

The LCR-916/915 provides two measurement methods, 2 wire and 5 wire measurement, The LCR-916/915 also come with a host of various standard or optional accessories to assist in testing a number of different component types. The meters also include handy functions such as data hold, tolerance sorting, zero mode and Min/Max (LCR-916 only).

The meters' USB interface can be used to log data to a PC using the LCR900 software and provide the DC 5V needed to power the meter.

With the LCR-916/915, you can perform quick and basic LCR measurements with precision at an affordable price.
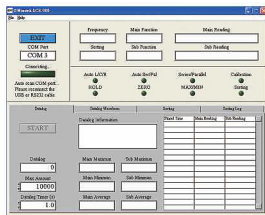
AUTO LCR Mode
The meter automatically identifies the specified L, C, or R parameters for both parallel and series circuits while the DUT is being measured. This AUTO LCR mode can be active for the selected function or every time the meter is turned on.

Connectivity for Data Logging to PC
The LCR900 software is available for your handheld LCR meter. This software is to configure the measurement parameters and automate the recording of continuous readings.

Complete Accessories
The LCR-916 is provided with a complete accessories kit including alligator clips, an SMD test probe, a USB cable, an AC adaptor and a shorting cube to increase measurement options without the extra cost.

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

FEATURES

- 20,000/2,000 Counts Dual Display
- Test Frequency : 100/120Hz/1kHz/10kHz/100kHz Depend on Model
- Auto LCR Mode for DUT Measuring
- 0.2% Basic Accuracy
- Measurement Parameters : L , C , R (AC/DC) , D , Q , ESR , θ
- Parallel/Series Testing Mode
- Sorting Mode for Quality Control
- 2Wire or 5Wire Measurement Available
- Data Hold and Zero Mode Supported
- Max and Min (LCR-916 Only)
- Auto Range, Auto Backlit
- Low Battery Indication
- Auto Power Off
- Data Collection or DC Power Operation (Optional for LCR-915)

APPLICATIONS

- Field Services
- Passive Component Trouble Shooting
- Electronic Assembly
- Incoming Inspection(Component Sorting)

LCR-916/915

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		LCR-916	LCR-915
TEST FREQUENCY		100Hz/120Hz/1kHz/10kHz/100kHz Selectable	100Hz/120Hz/1kHz/10kHz Selectable
FULL SCALE		Main Display: 20,000/2,000 count Selectable Sub Display : 2,000 count	
INDUCTANCE	Range Best Accuracy Resolution	20uH ~ 20kH range depends on the selected test frequency ± (0.2% rdg + 2 digits) 0.001uH ~ 0.001kH depends on the selected range	
CAPACITANCE	Range Best Accuracy Resolution	20pF ~ 20mF range depends on the selected test frequency ± (0.2% rdg + 2 digits) 0.001pF ~ 0.001mF depends on the selected range	
RESISTANCE	Range Best Accuracy Resolution	20Ω ~ 200MΩ range depends on the selected test frequency ± (0.2% rdg + 2 digits) 0.001Ω ~ 0.01MΩ depends on the selected range	
DC RESISTANCE	Range Best Accuracy Resolution	200Ω ~ 200MΩ in 7 ranges ± (0.2% rdg + 2 digits) 0.01Ω ~ 0.01MΩ depends on the selected range	
QUALITY FACTOR (Q)	Range Accuracy Best Resolution	0.000 ~ 999 2 x (main parameter accuracy) 0.001	
DISSIPATION FACTOR (D)	Range Accuracy Best Resolution	0.000 ~ 999 2 x (main parameter accuracy) 0.001	
PHASE ANGLE (θ)	Range Accuracy Resolution	-90.0° ~ 90.0° ± (0.2% rdg + 5 digits) 0.1°	
MEASUREMENT CIRCUIT		Parallel or Series Selectable	
AUTO LCR MODE		Automatically identifies and measures the DUT when the meter is switched on	
SORTING MODE		±0.1%, ±0.2%, ±0.25%, ±0.5%, ±1.0%, ±2.0%, ±5.0%, ±10.0%, ±20.0% and +80%/-20% Selectable	
OTHER FUNCTIONS		Auto range, Auto back-light, Max, Min, Data Hold, Zero, 46 segments Analogue bar, Auto power off	
DISPLAY		LCD mono display	
INTERFACE		USB	
POWER SOURCE		AA Battery 1.5V x 4, DC 5V (through AC adapter or USB cable - optional for LCR-915)	
DIMENSIONS & WEIGHT		95(W) x 207(H) x 52(D) mm, Approx. 630 g	

Note : Specifications are performed by test cable length = 0m

Specifications subject to change without notice.   CR-9156GD1DH

ORDERING INFORMATION

LCR-916	100kHz Hand-held LCR Meter
LCR-915	10kHz Hand-held LCR Meter

ACCESSORIES
User manual x 1

OPTIONAL ASSESSORIES

Opt.01	4Wire DIP test lead
Opt.02	Accessory Pack for LCR-915

Note : 1.Three year warranty, excluding accessories
2.The accessory pack for LCR-915 includes SMD test probe, AC adapter, USB cable and CD.

ACCESSORIES GUIDE

MODEL	LCR-916	LCR-915
Shorting Cube	Standard	Standard
Alligator Clip	Standard	Standard
Hanging Kit	Standard	Standard
Battery	Standard	Standard
User Manual	Standard	Standard
SMD Test Probe	Standard	Optional
AC Adapter	Standard	Optional
USB Cable	Standard	Optional
CD (PC Software)	Standard	Optional
DIP Test Lead	Optional	Optional

Shorting Cube	Alligator Clip	Hanging Kit	SMD Test Probe	AC Adapter	USB Cable	DIP Test Lead

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