Hand Held LCR Meter

LCR-916/915 (100/10kHz)

CE   USB

NEW

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, Max, Min and Zero Mode Supported
* Auto Range, Auto Backlit
* Low Battery Indication
* Auto Power Off
* Data Collection or DC Power Operation (optional for LCR-915)

Full Accessories

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

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.

SPECIFICATIONS

	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	20uH ~ 20kH range depends on the selected test frequency	
Best Accuracy	$\pm$ (0.2% rdg + 2 digits)	
Resolution	0.001uH ~ 0.001kH depends on the selected range	
CAPACITANCE		
Range	20pF ~ 20mF range depends on the selected test frequency	
Best Accuracy	$\pm$ (0.2% rdg + 2 digits)	
Resolution	0.001pF ~ 0.001mF depends on the selected range	
RESISTANCE		
Range	20Ω ~ 200MΩ range depends on the selected test frequency	
Best Accuracy	$\pm$ (0.2% rdg + 2 digits)	
Resolution	0.001Ω ~ 0.01MΩ depends on the selected range	
DC RESISTANCE		
Range	200Ω ~ 200MΩ in 7 ranges	
Best Accuracy	$\pm$ (0.2% rdg + 2 digits)	
Resolution	0.01Ω ~ 0.01MΩ depends on the selected range	
QUALITY FACTOR (Q)		
Range	0.000 ~ 999	
Accuracy	2 x (main parameter accuracy)	
Best Resolution	0.001	
DISSIPATION FACTOR (D)		
Range	0.000 ~ 999	
Accuracy	2 x (main parameter accuracy)	
Best Resolution	0.001	
PHASE ANGLE (θ)		
Range	-90.0° ~ 90.0°	
Accuracy	$\pm$ (0.2% rdg + 5 digits)	
Resolution	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		
$\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% 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

ORDERING INFORMATION

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

ACCESSORIES :
User manual x 1, Test lead

OPTIONAL ACCESSORIES

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.

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