



LCR999A

Features

- Basic measurement accuracy 0.1% & speed upto 10 meas / sec.
- Large LCD display with bright white backlight.
- Ultra low power consumption, battery powered for 24 hours of continuous use.
- Automatic identification function (Ai).
- Percentage display & 4 tolerance comparator : 1%, 5%, 10% & 20%
- 9V battery & External power supply
- Automatic correction function with datahold, max. / min. / average recording.
- Utility function configuration & current setup recovery after power off.
- Standard Mini-USB interface, SCPI compatible
- Auto power Off
- Constant output impedance : 100 ohm

Application

- Field maintenance test & external carrying test.
- Fixation point on production line or mobile checkout.
- Warehouse & real time spot or batch inspection.
- Flow inspect and in field measurements.

Specifications

Function	
Measurement Parameter	Primary Parameters : L / C / R / Z Secondary Parameter : D / Q / θ / ESR
Equivalent Mode	Series, Parallel
Auto LCR Function	Manual / Auto
Ranging Mode	Auto
Test Terminals	2-Terminal, 4-Terminal, 5-Terminal
Measurement Speed	10 meas/sec (fast), 5 meas/sec (med), 2 meas/sec (slow)
Correction	Short , Open
Tolerance Mode	1%, 5%, 10%, 20%
Input Protection Fuse	0.1A / 63V
Interface	Mini-USB (Virtual Serial Port)
Test Signal	
Signal Frequency	100Hz, 120Hz, 1KHz, 10KHz
Test Signal Level	0.6 Vrms
Output Impedance	100 Ω
Basic Accuracy	0.1%
Measuring Range	L 4 μ H ~ 1000H Range for Display 0.001 μ H ~ 1000.0H
	C 4pF ~ 20mF Range for Display 0.001pF ~ 20.000mF
	R / Z 0.4 Ω ~ 10M Ω Range for Display 0.0001 Ω ~ 10.000M Ω
	ESR Range for Display 0.0000 Ω ~ 999.9 Ω , Resolution : 0.0001 Ω
	D Range for Display 0.0000 ~ 9.999, Resolution : 0.0001
	Q Range for Display 0.0000 ~ 9999, Resolution : 0.0001
θ Range for Display - 179.9 $^{\circ}$ ~ 179.9 $^{\circ}$, Resolution : 0.01 $^{\circ}$	
Environment	0 $^{\circ}$ C~40 $^{\circ}$ C, \leq 90% RH
Power Supply	
Battery Model	7.2V Ni-MH 600mAH Rechargeable Battery
AC Adaptor	Input : 220V (1 \pm 10%), 50Hz (1 \pm 5%) : Output 12V DC
Charge Time & Current	Continuous Charge Time : Max. 80min. Charge Current : Max. 150mA
Battery Capacity Indication	Real Time Display on LCD
General	
Dimensions	193 x 93 x 48mm
Weight	395gms (approx.)
Safety and EMC compliance	IEC 61010-1 : 2001, IEC 61326-2-1 : 2005
Accessories	Manual, Short Circuit Plate x 1, 7.2V Ni MH Rechargeable Battery (installed) x 1, 12V/300mA AC Adapter x 1, 5 Terminal Kelvin Test Leads x 1 Optional : SMD 4 Terminal Kelvin Test Tweezers x 1, Banana Plugs-Crocodile Clip Test Leads x 1, Mini USB Communication Cable & S/W CD