LCR Meter

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	100Ω	
Basic Accuracy	0.1%	
Measuring Range	L	4μH ~ 1000H Range for Display 0.001μH ~ 1000.0H
	C	4pF ~ 20mF Range for Display 0.001pF ~ 20.000mF
	R / Z	0.4Ω ~ 10MΩ Range for Display 0.0001Ω ~ 10.000MΩ
	ESR	Range for Display 0.0000Ω ~ 999.9Ω, Resolution : 0.0001Ω
	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° ~ 179.9°, Resolution : 0.01°
Environment	0°C~40°C, ≤90% RH	
Power Supply		
Battery Model	7.2V Ni-MH 600mAH Rechargable Battery	
AC Adaptor	Input : 220V (1±10%), 50Hz (1±5%) : Output 12V DC	
Charge Time & Current	Continuous Charge Time : Max. 80min.	Charge Current : Max. 150mA
Battery Capcity Indication	Real Time Disaplay 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	