

Handheld LCR Meter (VE 822)

VASAVI

Pioneer In Test Automation

Brief Introduction :

LCR meters do not always need to be on the bench. Neither do they always need to strain your budget. VASAVI new VE822 series LCR meter now puts the LCR meter into the palm of your hand while doing random checks across the production floor or performing checks at your inspection or sorting stations. With wide measurement range, and features to ease your sorting tasks, the Ve822 series puts a new level of convenience into the world of LCR meters.

Main Functions :

- Basic measurement accuracy: 0.1%
- Test signal frequency up to 1KHz for VE822; 10KHz for VE822A; 100kHz for VE822C
- Measurement speed up to 10meas/sec
- Large character display with bright white back light
- Ultra-low power consumption, battery-powered for 24 hours of continuous used.
- Automatic identification function(Ai)
- Constant output impedance : 100 Ohm
- Percentage display and 4-tolerance comparator : 1%,5%,10% and 20%
- Automatic Open / Short correction detection
- Data hold, Max / Min / Average recording
- Utility function configuration and current setup recovery



Specification :

Function		
Measurement Parameters		Primary Parameters : L / C / R / Z Second Parameters : D / Q / θ / ESR
Equivalent Circuits		Serial , Parallel
Auto LCR Function		Manual / Auto
Ranging Mode		Auto
Test Terminals		2-terminal, 4-terminal, 5-terminal
Measurement Speed		10meas/sec (Fast) , 5meas/sec (Medium) , 2meas/sec (Slow)
Correction		Short, Open
Tolerance Mode		1%, 5%, 10%, 20%
Input protection fuse		0.1A / 250V
Test Signal		
Signal Frequency	VE822	100Hz, 120Hz, 1kHz (120Hz actual frequency 120.048Hz, be the same as below)
	VE822A	100Hz, 120Hz, 1kHz, 10kHz
	VE822C	100Hz, 120Hz, 1kHz, 10kHz, 100kHz
Test Signal Level		0.6Vrms
Output Impedance		100 Ω
Display		
Display LCD		primary-secondary dual display
Backlight		Battery supply when backlight is on, luminance is reduced by half 15s later and automatically turned off 30s later Powered by adapter backlight is on until manually turned off
Readings Max		counts of primary parameter : 40,000 D / Q / θ Min. resolution of Secondary parameter : 0.0001
Basic Accuracy		0.1%
Measurement Display Range	L	0.001 μ H --- 1000.0 H
	C	0.001 pF -- 20.000 mF
	R / Z	0.0001 Ω -- 10.000 M Ω
	E.S.R	0.0000 Ω - 999.9 Ω , resolution: 0.0001 Ω
	D	0.0000 - 9.999, resolution: 0.0001
	Q	0.0000 - 9999, resolution: 0.0001
	Tan	-179.9° -- 179.9°, resolution: 0.01°

Rechargeable Battery : 7.2V Ni-MH 600mAh ;

AC Adapter Input : 220V(1 \pm 10%), 50Hz(1 \pm 5%) ; Output : 9V DC ;

Dimension

: (H \times W \times D) 193mm \times 92mm \times 44mm Weight : 50g

VASAVI ELECTRONICS

95, Road No.6A, Jyothi Colony, SECUNDERABAD - 500 015, (A.P), INDIA

Tel : +91 - 40 - 27744445 ; Fax : +91 - 40 - 2774226 ; Web : www.vasavi.co.in / www.vasavi.com ; E-mail : vasavi@vasavi.com