

100KHz Handheld LCR Meter (VE 822C)

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 VE822C 100KHz Handheld 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, VE822C 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 100kHz
- Measurement speed up to 10meas/sec
- Large character display with bright white back light
- Ultra-low power consumption, battery-powered for around 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	
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	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	0.001uH -- 1000.0 H
	C	0.001pF -- 20.000mF
	R / Z	0.0001 Ω --- 10.000M 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

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