



Model: VC8045

GENERAL SPECIFICATION

- 19999(4 1/2)digits
- High accuracy true RMS
- 30mm LCD with backlight display
- Double integral A/D converter
- Approx. 3 times/sec sampling rate
- The function of measuring DC and AC voltage, DC and AC current, Resistance, Capacitance, Hz, hFE, Diodes and Continuity.
- Wide bandwidth measuring
- Get accurate RMS for AC flow of any waveform or AC+DC.
- Working environment: (0~40)°C, R.H<80%



VC8045

Frequency (FREQ)

Range	Accuracy	Resolution
20kHz	±(1.0%reading+20)	1Hz
200kHz		10Hz
Input sensitivity	500mV RMS	
Overload protection	250V DC or AC peak value(within 15s)	

Resistance(Ω)

Range	Accuracy	Resolution
200Ω	±(0.1%reading+20)	0.01Ω
2KΩ		0.1Ω
20KΩ		1Ω
200KΩ		10Ω
2MΩ		100Ω
20MΩ	±(0.5%reading+5)	1KΩ
Open circuit voltage	less than 3V	
Over load protection	250V DC or AC peak value	

NOTE: At range 200Ω, short-circuit the test leads to measure the wire resistance and then subtracts it from the real measurement.

Capacitance(C)

Range	Accuracy	Resolution
20nF	±(3.5%+20)	1pF
2uF		100pF
200uF	±(5%+30)	10nF

Measuring frequency: approx. 400Hz, measuring voltage: approx. 40mV
Overload protection: 36V DC or AC peak value

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Accuracy	±(reading% + the lowest effective digit)		
Temperature for accuracy guarantee	(23±5)°C, R.H<80%, one year guaranteed from the production date.		
DC voltage (DCV)			
Range	Accuracy	Resolution	
200mV	±(0.05%reading+3)	10uV	
2V		100uV	
20V		1mV	
200V		10mV	
1000V	±(0.1%reading+5)	100mV	
Input impedance	10MΩ for all ranges		
Overload protection	200mV range	250VDC or AC peak value	
	Other range	1000V DC or AC peak value	
AC voltage (ACV)			
Range	Input Frequency	Accuracy	Resolution
200mV	50Hz~50kHz	±(0.8%reading+80)	10uV
2V	50Hz~20kHz		100uV
20V			1mV
200V	50Hz~5kHz	±(1.0%reading+50)	10mV
750V	50Hz~400Hz	±(1.0%reading+50)	100mV
The input value for accuracy guarantee should be larger than 10% of full range.			
Input impedance	2MΩ for all ranges		
Overload protection	200mV range	250V DC or AC peak value	
	Other range	1000V DC or AC peak value	
DC current (DCA)			
Range	Accuracy	Resolution	
20mA	±(0.35%reading+10)	1uA	
200mA		10uA	
2A	±(0.8%reading+10)	100uA	
20A		1mA	
Max. input voltage drop	200mV		
Max. input current	20A(within 10s)		
Overload protection	2A/250V fuse, 13A/250V fuse		
AC current(ACA)			
Range	Input Frequency	Accuracy	Resolution
200mA	50Hz~5kHz	±(0.8%reading+80)	10uA
2A	50Hz~400Hz		100uA
20A		±(1.0%reading+50)	1mA
Max. input voltage drop	200mV		
Max. input current	20A(within 10s)		
Overload protection	2A/250V fuse, 13A/250V fuse		
General characteristic			
Meter size	245×220×82mm		
Weight	1.4kg		