



VC3267

Auto-range

Clamp DMM

User' s manual

Features:

- 3 1/2digit Auto-range A/D converter
- 2 AAA batteries with independent battery case, convenient for changing battery
- Data hold, convenient for data observation and record.
- 2A/20A, 200A/600A AC current testing, resolution 1mA.
- Wide range temperature measurement.

一、 Overview

VC3267 use full function auto-range converting circuit and unique functional circuit to finish DC/AC voltage, AC current ,resistance, diode and temperature measurements. Specially in temperature testing, display the °C and °F synchronously, no manual computing. With the rotatable functional switch which is convenient for one hand operating, the product is a professional clamp meter which is ideal for metallurgy, chemical and electric appliance system.

二、 Technical characteristics

- Max. Reading: 1999 Automatic polarity display
- Measuring method: Integrating A/D converter
- Sampling rate: 3times per second
- Overload indication: LCD display "OL"
- Maximum COM voltage: 500V DC/AC TRMS
- Operating environment: 0°C~40°C ; relative humidity less than 80%RH
- Stored envirement: -10°C~50°C ; relative huimidity less than 85%RH

- Power supply: 2AAA batteries
- Low-voltage indication: "LO"
- Dimension : 183×66×35 (mm)
- Jaw open: 30mm
- Accessories: user' s manual(including certification) X1, test lead X1
2AAA batteries, oxford bagX1, K type probeX1

三、 Technical parameter

One year guarantee for the meter and please refer to the following environmental conditions temperature 23°C ±5°C, the humidity less than 80%RH.

3-1 DC/AC voltage measurement

Range	Resolution	Accuracy
200mV-600V =	0.1mV	± (0.8%+3d)
2V-600V ~	1mV	± (1.5%+3d)

Input impedance: 10M Ω

3-2 AC current

Range	Resolution	Accuracy
2A/20A ~	1mA/0.01A	± (2.5%+15d)
200A/600A~	0.1A/1A	

3-3 Resistance

Range	Resolution	Accuracy
200Ω-2M Ω	0.1Ω-1K Ω	± (1%+3d)
20M Ω	10K Ω	± (3%+3d)

Overload: 250V DC/AC TRMS

3-4 Diode and Continuity measurement

Range	Open voltage	Beeper
→ ← ()	> 1.2V	< 100 Ω

Overload protection: 250V DC/AC TRMS

3-5 Temperature

Range	Resolution	Accuracy
-20°C-400°C	1°C	± (2.5%+3°C)
-4°F-752 F	1°F	± (2.5%+5 F)

Note: °F=°Cx9/5+32

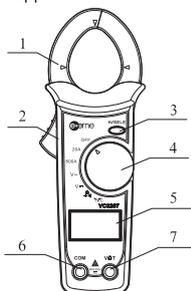
四、Operation instruction

4-1 Attention before using:

The operator must read the manual carefully.
Cut all circuit link before turn on the meter
Make sure the test leads are in good connection with no damage to the insulating layer.
Make sure that the correct function is selected.
Checking the LCD after turn on the meter. Please change the battery when the sign " " appears.

4-2 Instruction of panel

- 1 Peach-jaw
- 2 Clamp shaft
- 3 HOLD button $\Omega \rightarrow \rightarrow \rightarrow$
Power button $^{\circ}\text{F}/^{\circ}\text{C}$
- 4 Function selection switch
- 5 LCD display
- 6 COM jack
- 7 $V\Omega T$ input terminal



4-3 AC current measurement

Turn the function switch to the $A\sim$ position, place the cable under tested in the geometrical centre of the jaw and close the clamp properly.
The reading will be displayed.

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4-4 DC voltage measurement

- (1) Select the $V=$ position, LCD displays " DC " sign.
- (2) Plug the black test lead into the COM jack and the red into $V\Omega T$ jack.
- (3) Connect the test leads to the power or the loads under testing.
- (4) LCD displays the reading, the red test lead connect to the positive terminal.
- (5) If LCD display " - " , that indicates the red test lead to the negative terminal.

4-5 AC voltage measurement

- (1) Select the $V\sim$ position, LCD displays " AC " sign.
- (2) Plug the red and black test lead into COM, $V\Omega T$ jack respectively.
- (3) Connect the test leads to the power or the loads under testing, LCD displays TRMS AC voltage.

4-6 Resistance measurement

- (1) Turn the functional switch to the $\Omega \rightarrow \rightarrow \rightarrow$ position.
- (2) Connect the test lead to the tested load, the reading is displayed.
- (3) LCD displays " OL " if the load is more than $20M\Omega$, or the circuit is open

4-7 Diode and continuity test

Turn the functional switch to the $\Omega \rightarrow \rightarrow \rightarrow$ position, Press the HOLD button for two seconds, the meter turns into $\rightarrow \rightarrow$ or $\rightarrow \rightarrow \rightarrow$, LCD display " $\rightarrow \rightarrow$ " or " $\rightarrow \rightarrow \rightarrow$ ". In $\rightarrow \rightarrow$ mode, LCD displays the forward value drop of the diode when connect the red lead to the positive and the black lead to the negative of the diode. Silicon 0.5~0.7V, Germanium 0.2~ 0.3V. If LCD displays " OL " , the connect to the terminals of the diode are reverse. In $\rightarrow \rightarrow \rightarrow$ mode, if the resistance of the tested subject or the circuit is $< 100\Omega$, the buzzer alarm and LCD displays the resistance; if the resistor is $> 200\Omega$ or the circuit is open, LCD displays " OL " .

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4-8 Temperature measurement

- (1) Select the $^{\circ}\text{F}/^{\circ}\text{C}$ position, LCD displays $^{\circ}\text{F}$ sign, and the meter is in the Fahrenheit mode. Press the SELE button to change the $^{\circ}\text{F}/^{\circ}\text{C}$ mode
- (2) Plug " - " of the K-type thermo probe into COM and " + " into $V\Omega T$ jack.
- (3) Connect the probe to the tested subjected.
- (4) The reading will be displayed on the LCD panel.

4-9 Data hold

Press the HOLD button until hearing " Di " , LCD displays the " H " sign.
The meter turns into the HOLD mode and the reading is HOLD. Press the button again to exit the HOLD mode. (in20A range ,no beeper alarm)

4-10 Turn on /OFF the meter and protection circuit

Press the HOLD button, LCD displays all signs which indicates the meter is turned on. Press the HOLD button over 3 seconds until the " H " twinkle , beeper alarm to turn off the meter . During measuring, if the value of the tested signal is $>600V$ or high-voltage inrush, the meter will be in the automatic protection mode and the LCD will be locked. Then please stop use the meter at once. Turn off the meter to reset . The meter is designed with auto power-off function and the time is about 15minuits.

五、 Battery changing

When " " appears on LCD, change the battery as the following step.

- 1、Please turn off the power and take off the test leads before open the battery lid against electric shock. Take out of the batteries.
- 2、Place 2AAAX 1.5V into the battery case. Check the polarity and contact is in good condition . Then close the lid. Please take out of the battery if no use in a long time.

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六、 Option (ADP07)

The instrument can measure 3-Phase sequence with ADP07.
The step as following:

- 1、 Plug the accessory (the lamp upward) into the COM and $V\Omega T$ jack and select the ACV position.
- 2、 Make the clip snap to the tested terminal, if the lamp light which indicates the phase of the tested wire is in right phase sequence. Yellow terminal is Phase a, the black is Phase b and the red is Phase c.
- 3、 According to the above connection, if the lamp is not light, please change the connection if the black /red clip. The lamp light indicates the connection is right; if not, that indicates there is a failure phase.



七、 Service

Visit china meter national web(www.china-meter.com)or contract with E-ONE Products Service Center. TEL: +86 0756 8659596/8659106

Certificate	
Model :	VC3267
Data :	_____
Checker:	Check01

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