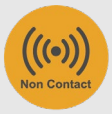
DATA SHEET

AUTO RANGE CLAMP METER – VA311B

PRODUCT HIGHLIGHTS

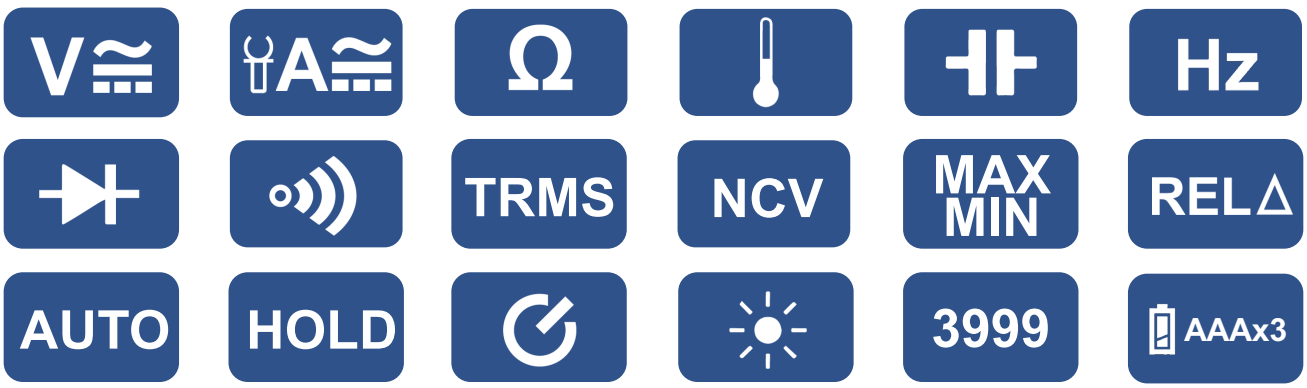




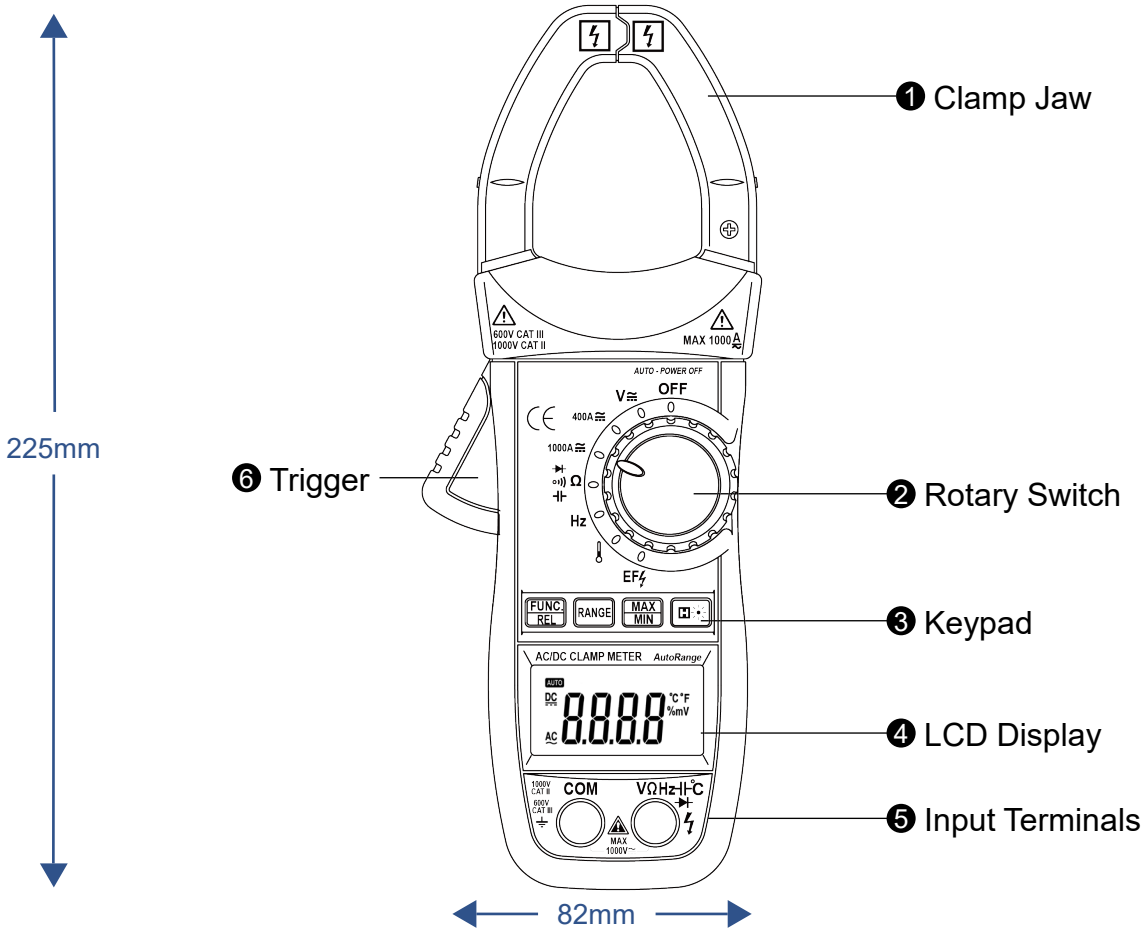




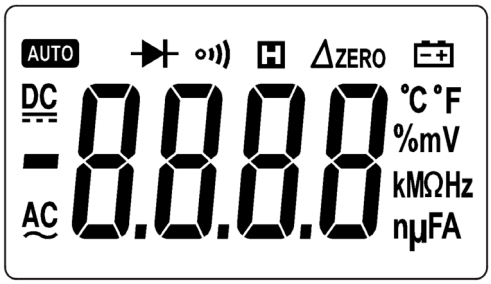
- 3999 Counts Digital Clamp Meter
- Voltage Measurement up to 1000V AC/DC
- Current Measurement up to 1000A AC/DC
- Resistance Measurement up to 40MΩ
- True RMS
- Non-contact Voltage Detect (NCV)
- MAX/MIN
- Relative Measurement
- Continuity Buzzer
- Diode Test
- Data Hold
- Low Battery Indication
- Auto Power Off
- Backlight
- Battery 1.5V AAA x3



1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL



- Display/char. height: 7-segment characters/23 mm
- Display counts: 3999
- Overflow display: "OL" is displayed
- Polarity display: "_ " (minus sign) is displayed if plus pole is connected to “⊥”
- Sample rate: 3 times/sec for digital data

3. TECHNICAL SPECIFICATIONS

	VA311B
DC Voltage	400mV/4V/40V/400V/1000V ± (1.0%+2)
AC Voltage	4V/40V/400V/1000V ± (1.5%+5)
DC Current	400A/1000A ± (3.0%+6)
AC Current	400A/1000A ± (3.0%+8)
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ ± (1.5%+5)
Capacitance	4nF/40nF/400nF/4μF/40μF/400μF/4mF ± (5.0%+10)
Logic Frequency	4Hz/40Hz/400Hz/4kHz/40kHz/400kHz/4MHz ± (0.1%+5)
Frequency from Clamp	40Hz~400Hz ± (0.1%+1)
Temperature	-200° C~1200° C ± 2.0%
Display Counts	3999
Safety Rating	CAT III 600V & CAT II 1000V
LCD Size	44 x 23mm
Max. Jaw Opening	Ø40mm
True RMS	●
NCV	●
Relative Measurement	●
MAX/MIN	●
Continuity Buzzer	●
Diode Test	●
Data Hold	●
Low Battery Indication	●
Auto Power Off	●
Backlight	●
Auto/Manual Range	●
Power	Battery 1.5V (AAA) x3
Size	225 x 82 x 28mm
Weight	~260g (without battery)

4. GENERAL SPECIFICATIONS

Function	Value
Electrical Protection Class	CAT III 600V & CAT II 1000V
Pollution Degree	2
Operating Altitude	<2000m
Operating Temperature/Humidity	0° C~40° C, 32° F~104° F (<80%RH, non-condensing)
Storage Temperature/Humidity	-10° C~60° C, 14° F~140° F (<80%RH, battery removed)
Typical Temperature Coefficient	0.1x (specified accuracy) / (<18° C or >28° C)
Low Battery Indicator	The "▯" is displayed when the battery is under the proper operation range
EMC	EN 61326-1
Safety LVD	EN 61010-1, EN 61010-031, EN 61010-032
Power Supply	Battery 1.5V (AAA) x3
Dimension/Weight	225(L) x 82(W) x 28(H) mm / Approx 260g (without battery)

5. SCOPE OF SUPPLY

Model Number	Scope of Supply	Quantity
VA311B	Clamp Meter	1 Piece
	Test Leads	1 Set
	K-Type Thermocouple	1 Piece
	User Manual	1 Piece
	Battery 1.5V (AAA)	Not included
	Carry Bag	1 Piece
	Box	1 Piece

6. APPLICATIONS









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*Datasheet subject to change without notice