DATA SHEET

NEW POCKET MULTIMETER
– VA28A / VA28B / VA28C / VA29B

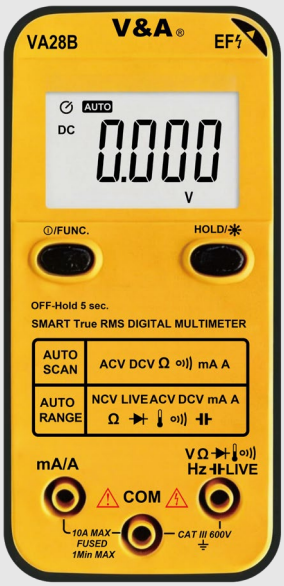
PRODUCT HIGHLIGHTS











- 3999 Counts Digital Multimeter
- Voltage Measurement up to 600V AC/DC
- Current Measurement up to 10A AC/DC (Model Dependent)
- Resistance Measurement up to 40MΩ
- True RMS
- Non-contact Voltage Detect (NCV)
- LIVE Test
- Current Mis-plug Alarm
- Continuity Buzzer
- Diode Test
- Data Hold
- Low Battery Indication
- Auto Power Off
- Backlight/Torch
- Battery 1.5V (AAA) x2 / Li Battery (Model Dependent)



































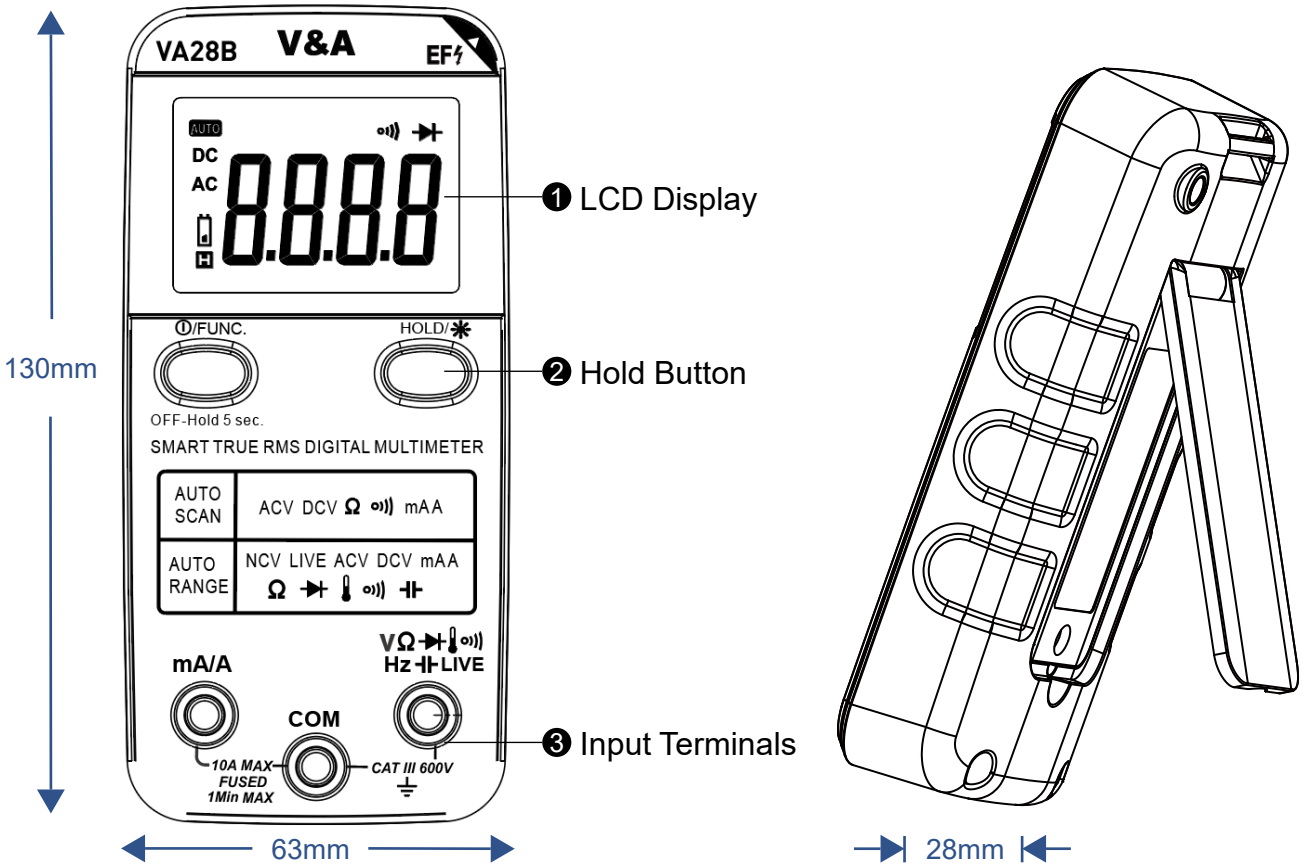




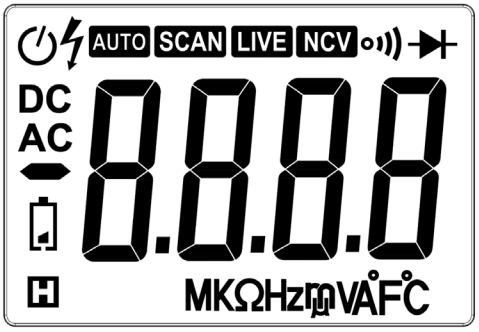


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1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL



- Display/char. height: 7-segment characters/17 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. NEW POCKET MULTIMETER SELECTION GUIDE

	VA28A	VA28B	VA28C	VA29B
Auto Range	ACV/DCV/Resistance/Continuity/Diode/ Temperature/Capacitance/NCV/LIVE/mA/A			ACV/DCV/Resistance/NCV Continuity/Temperature/ Capacitance//LIVE/Diode
Auto Scan	V/R/CONT/A			V/R/CONT
DC Voltage	4V/40V/400V/600V ± (0.5%+3)			
AC Voltage	4V/40V/400V/600V ± (1.0%+3)			
DC Current	40mA/400mA/ 1A ± (1.0%+3)	4000mA/10A ± (1.5%+3)		○
AC Current	40mA/400mA/ 1A ± (1.5%+3)	4000mA/10A ± (2.0%+3)		○
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ ± (1.5%+3)			
Capacitance	4nF/40nF/400nF/4μF/40μF/400μF/4mF ± (3.0%+5)			
Linear Frequency	40Hz/400Hz/4kHz ± (0.5%+3)			
Temperature	-200° C~1200° C ± (2.0%+3)			
Display Counts	3999			
Safety Rating	CAT III 600V			
LCD Size	44 x 30mm			
True RMS	●			
NCV	●			
LIVE Test	●			
Current Mis-Plug Alarm	●			
Continuity Buzzer	●			
Diode Test	●			
Data Hold	●			
Low Battery Indication	●			
Auto Power Off	●			
Backlight	●			
Red Alarm Backlight	●			
Torch	●			
Supportive Stand	●			
Power	Battery 1.5V (AAA) x2		Li Battery	Battery 1.5V (AAA) x2
Size/Weight	130 x 63 x 28mm / ~120g (without battery)			

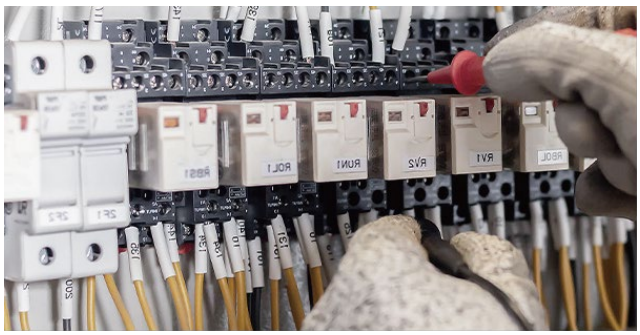
4. GENERAL SPECIFICATIONS

Function	Value
Electrical Protection Class	CAT III 600V
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) / ° C (<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 61010-033
Fuse	1A model: F 1A/600V, Φ6x30mm (Quick Acting) 10A model: F 10A/600V, Φ6x30mm (Quick Acting)
Power Supply	Battery 1.5V (AAA) x2 / Li Battery
Dimension/Weight	130(L) x 63(W) x 28(H) mm / Approx 120g (without battery)

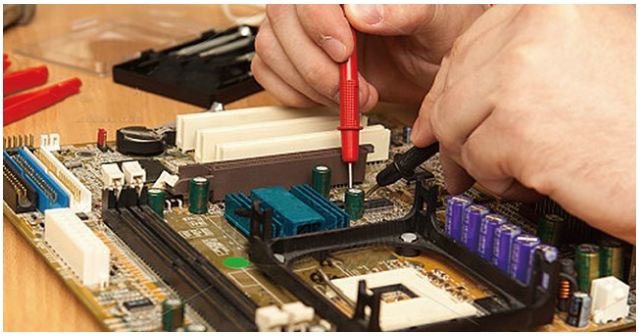
5. SCOPE OF SUPPLY

Model Number	Scope of Supply	Quantity
VA28A VA28B VA28C VA29B	Digital Multimeter	1 Piece
	Test Leads	1 Set
	K-Type Thermocouple	1 Piece
	User Manual	1 Piece
	Battery 1.5V (AAA) / Li Battery (VA28C)	Not included
	Box	1 Piece

6. APPLICATIONS









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*Datasheet subject to change without notice