

DATA SHEET

HIGH ACCURACY MULTIMETER VA38

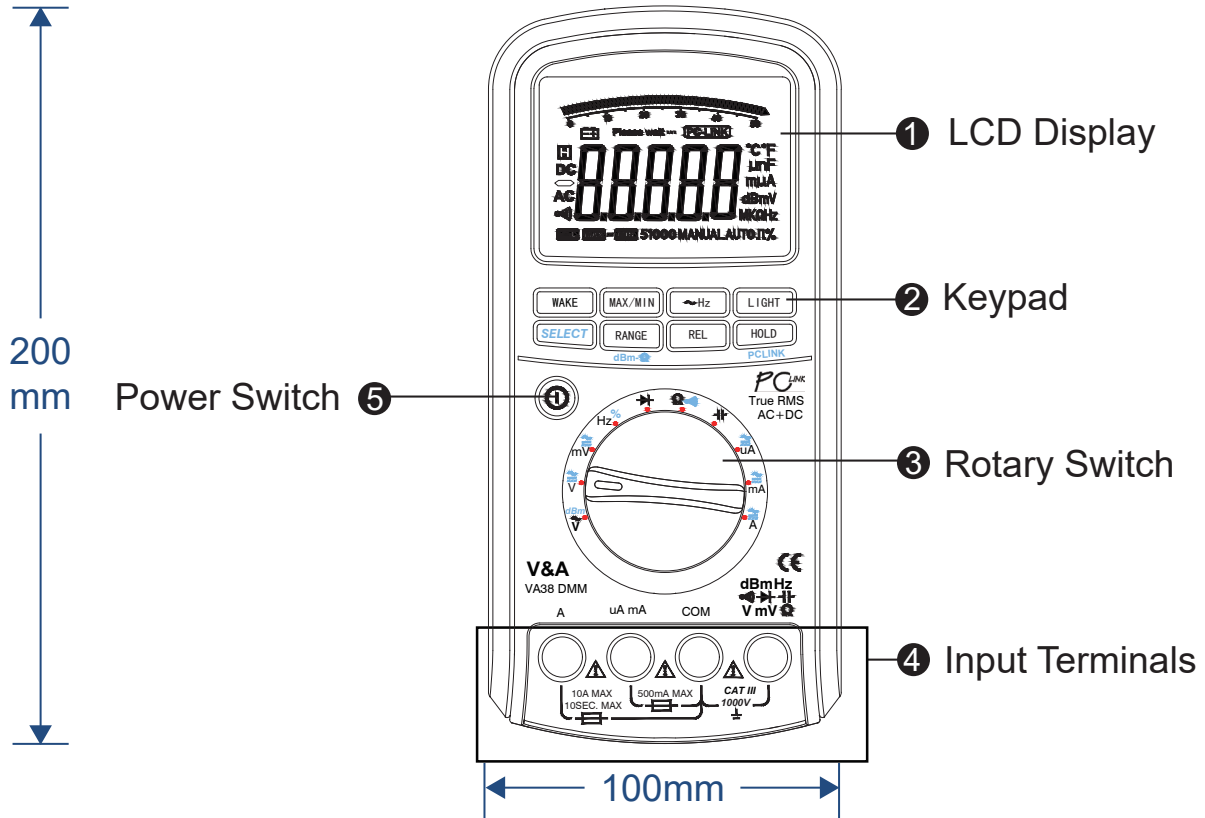
PRODUCT HIGHLIGHTS



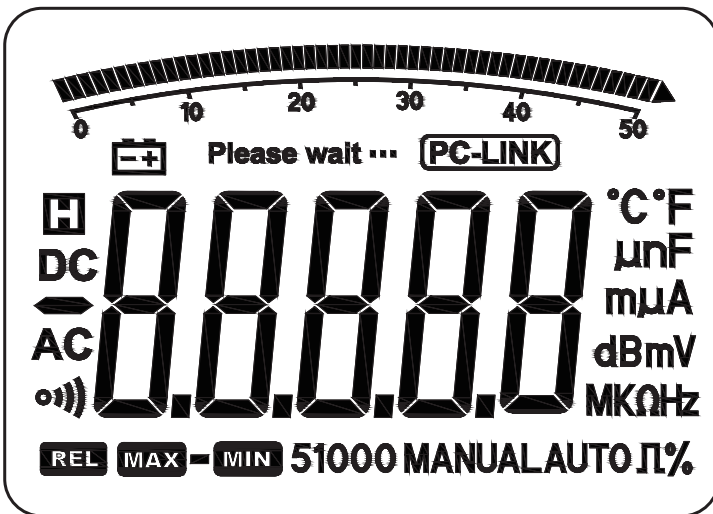
- 49999 Counts Digital Multimeter
- Voltage Measurement up to 10000V AC/DC
- Current Measurement up to 10A AC/DC
- Resistance Measurement up to 50MΩ
- True RMS
- MAX/MIN
- Duty Cycle
- Relative Measurement
- dBm Measurement
- USB Interface
- Bar Graph
- Diode Test
- Continuity & Buzzer Indication
- Data Hold
- Low Battery Indication
- Auto Power Off
- Backlight
- Battery 1.5V (AAA) x 6



1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL




- Display/ char. height: 7-segment characters/ 15.7 mm
- Number of digits: 4⁴/₅ / 49999 counts
- Overflow display: "OL" is displayed
- Polarity display: "_ "displayed automatically
- Sample rate: 2.5 times/ sec for digital data

3. TECHNICAL SPECIFICATIONS

| | VA38 |
|------------------------|---|
| DC Voltage | 50mV/500mV/5V/50V/500V/1000V±(0.03%+6) |
| AC Voltage | 50mV/500mV/5V/50V/500V/1000V±(0.5%+40) |
| DC Current | 500µA/5000µA/50mA/500mA/5A/10A±(0.5%+10) |
| AC Current | 500µA/ 5000µA/ 50mA/ 500mA/5A/10A±(1.0%+10) |
| Resistance | 500Ω/5kΩ/50kΩ/500kΩ/5MΩ/50MΩ±(0.5%+10) |
| Capacitance | 50nF/500nF/5µF/50µF/500µF/5000µF±(2.0%+5) |
| Logic Frequency | 5Hz~2MHz±(0.006%+4) |
| Linear Frequency | 5Hz~200kHz±(0.006%+4) |
| Display Counts | 49999 |
| Safety Rating | CAT III 1000V |
| LCD Size | 64 x 33.5 mm |
| Duty Cycle | ● |
| True RMS | ● |
| MAX/ MIN | ● |
| Relative Measurement | ● |
| dBm Measurement | ● |
| Bar Graph | ● |
| USB Interface | ● |
| Diode Test | ● |
| Continuity Buzzer | ● |
| Data Hold | ● |
| Low Battery Indication | ● |
| Auto Power Off | ● |
| Supportive Stand | ● |
| Backlight | ● |
| Peak Measurement | - |
| NCV | - |
| Power | 1.5V (AAA) x 6 |
| Size | 200 x 100 x 40 mm |
| Weight | ~560g (without battery) |

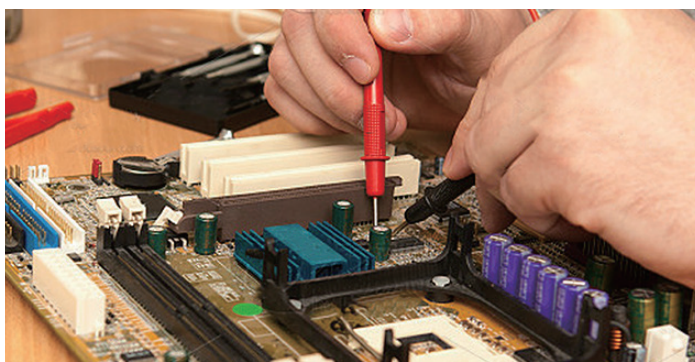
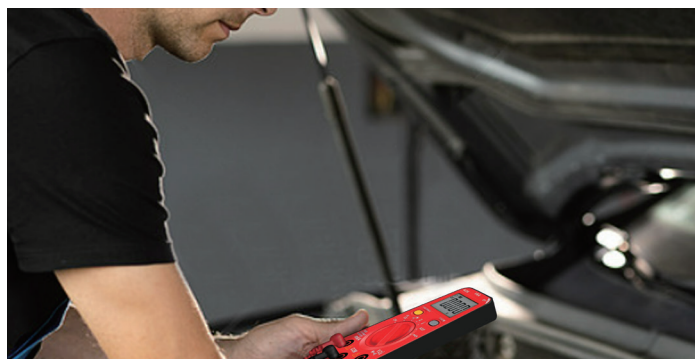
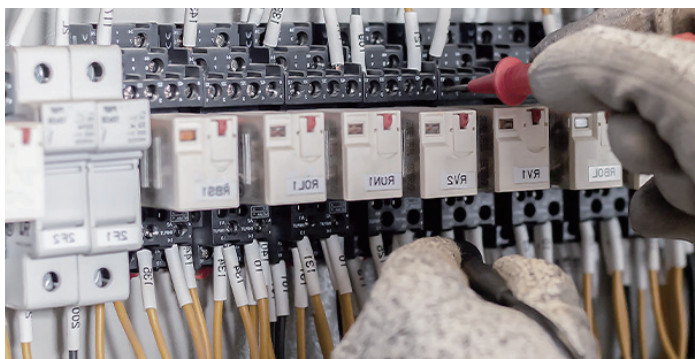
4. GENERAL SPECIFICATIONS

| Function | Value |
|---------------------------------|--|
| Electrical protection class | CAT III 1000 V |
| Pollution degree | 2 |
| Operating/storage altitude | < 2000 m / < 10000 m |
| Operating temperature/humidity | 0°C~30°C, 32°F~86°F (<80% RH, <10°C non-condensing) 31°C~51°C, 88°F~124°F (<50% RH, <10°C non-condensing) |
| Storage temperature/humidity | -20°C~60°C, -4°F~140°F (≤80% RH, battery removed) |
| Typical temperature coefficient | 0.1 x (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 | μA and mA: F 0.63A/1000V A: 10A/1000V |
| Power supply | 1.5V (AAA) x 6 |
| Dimension/weight | 200(L) x 100(W) x 40(H) mm/Approx 560g (without battery) |

5. SCOPE OF SUPPLY

| Model Number | Scope of Supply | Quantity |
|--------------|--------------------------|----------|
| VA38 | High Accuracy Multimeter | 1 Piece |
| | Test Leads | 1 Set |
| | Alligator Clips | 1 Set |
| | USB Line | 1 Piece |
| | PC-Link Software CD | 1 Piece |
| | User Manual | 1 Piece |
| | Battery 1.5V (AAA) | 6 Pieces |
| | Cloth Bag | 1 Piece |
| | Box | 1 Piece |

6. APPLICATIONS



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