

## XDM3041 Bench-type Digital Multimeter

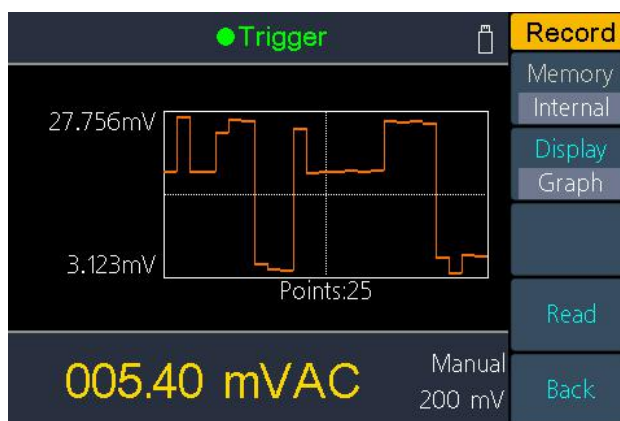


- + 4 inch 480 x 320 pixels high resolution LCD
- + resolutions up to 4 1/2 digits
- + reading rates up to 150 readings/s
- + true RMS AC voltage / current measurement
- + dual line display supported
- + the change trend analysis accessible via special chart mode
- + SCPI supported - remote control, and data-sharing possible via LAN, USB, RS232 port, and WiFi\*
- \* WiFi module is optional
- + multi- IO interface: USB Device / Host, RS232, LAN, and ext. trigger input

### Data-logger Mode

during recording the measurement value, possible to set the logging duration (min. 5ms), and length, then get access to chart or table result

| ● Trigger          |          |                  | Record   |
|--------------------|----------|------------------|----------|
| No.                | Function | Reading          | Memory   |
| 0                  | ACV      | 019.18 mV        | Internal |
| 1                  | ACV      | 027.75 mV        | Display  |
| 2                  | ACV      | 019.22 mV        | Table    |
| 3                  | ACV      | 019.28 mV        |          |
| 4                  | ACV      | 025.39 mV        |          |
| 5                  | ACV      | 027.48 mV        |          |
| 6                  | ACV      | 027.33 mV        |          |
| 7                  | ACV      | 004.52 mV        | Read     |
| 8                  | ACV      | 003.62 mV        |          |
| <b>005.48 mVAC</b> |          | Manual<br>200 mV | Back     |



### + Performance Specifications

| XDM3041                    | Measurement Range                           | Frequency Range  | Accuracy: 1 Year ±<br>(% of reading + % of range) |
|----------------------------|---|------------------|---|
| <b>DC Voltage</b>          | 600mV, 6V, 60V, 600V, 1000V                 | /                | 0.02±0.01   |
| <b>True RMS AC Voltage</b> | 600mV, 6V, 60V, 600V, 750V                  | 20 Hz - 50 Hz    | 2 + 0.10  |
|                            |   | 50 Hz - 20 kHz   | 0.2 + 0.06  |
|                            |   | 20 kHz - 50 kHz  | 1.0 + 0.05  |
|                            |   | 50 kHz - 100 kHz | 3.0 + 0.08  |
| <b>DC Current</b>          | 600.00 μA                                   | /                | 0.06 + 0.02                                       |
|                            | 6.0000 mA                                   |                  | 0.06 + 0.02                                       |
|                            | 60.000 mA                                   |                  | 0.1 + 0.05  |
|                            | 600.00 mA                                   |                  | 0.2 + 0.02  |
|                            | 6.000 A                                     |                  | 0.2 + 0.05  |
|                            | 10.0000 A                                   |                  | 0.250 + 0.05                                      |
| <b>True RMS AC Current</b> | 60.000 mA, 600.00 mA,<br>6.0000 A, 10.000 A | 20 Hz - 45 Hz    | 2 + 0.10  |
|                            |   | 45 Hz - 2 kHz    | 0.50 + 0.10                                       |
|                            |   | 2 kHz - 10 kHz   | 2.50 + 0.20                                       |

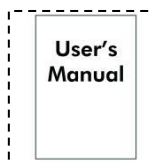
|                                 |   |                     |              |
|---------------------------------|---|---------------------|--------------|
| <b>Resistance</b>               | 600.00 Ω  | /                   | 0.040 + 0.01 |
|                                 | 6.0000 kΩ   |                     | 0.030 + 0.01 |
|                                 | 60.000 kΩ   |                     | 0.030 + 0.01 |
|                                 | 600.00 kΩ   |                     | 0.040 + 0.01 |
|                                 | 6.0000 MΩ   |                     | 0.120 + 0.03 |
|                                 | 60.000 MΩ   |                     | 0.90 + 0.03  |
|                                 | 100.00 MΩ   |                     | 1.75 + 0.03  |
| <b>Diode Test</b>               | 3.0000 V  | /                   | 0.5 + 0.01   |
| <b>Continuity</b>               | 1000 Ω  | /                   | 0.5 + 0.01   |
| <b>Frequency Period</b>         | 600 mV - 750 V  | 20 Hz - 2 kHz       | 0.01 + 0.003 |
|                                 |   | 2 kHz - 20 kHz      | 0.01 + 0.003 |
|                                 |   | 20 kHz - 200 kHz    | 0.01 + 0.003 |
|                                 |   | 200 kHz - 1 MHz     | 0.01 + 0.006 |
|                                 | 60 mA - 10 A  | 20 Hz - 2 kHz       | 0.01 + 0.003 |
|                                 |   | 2 kHz - 10 kHz      | 0.01 + 0.003 |
|                                 |   | <b>Test Current</b> |              |
| <b>Capacitance</b>              | 2.000 nF  | 200 nA              | 3 + 1.0      |
|                                 | 20.00 nF  | 200 nA              | 1 + 0.5      |
|                                 | 200.0 nF  | 2 μA                | 1 + 0.5      |
|                                 | 2.000 μF  | 10 μA               | 1 + 0.5      |
|                                 | 200 μF  | 100 μA              | 1 + 0.5      |
|                                 | 10000 μF  | 1 mA                | 2 + 0.5      |
| <b>Temperature</b>              | temperature sensors under 2 categories supported - thermocouple (ITS-90 conversion between B / E / J / K / N / R / S / T type), and thermal resistance (RTD sensor conversion between Pt100 and Pt385 type) |                     |              |
| <b>Other functions</b>          | Bar meter, histogram, trend chart, Max. Min. value, average value, standard deviation, DB / DBm, Pass / Fail  |                     |              |
| <b>Data-logger Function</b>     |   |                     |              |
| <b>Logging Duration</b>         | 5ms - 1000s   |                     |              |
| <b>Logging Length</b>           | 1M points   |                     |              |
| <b>General</b>                  |   |                     |              |
| <b>Dimension (W x H x D)</b>    | 235 x 110 x 295 (mm)  |                     |              |
| <b>Weight (without package)</b> | 3.0 kg  |                     |              |

Specifications subject to change without prior notice.

#### + Accessories The accessories subject to final delivery.



Power Cord



Manual



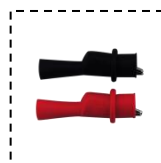
USB



Fuse



Multimeter Lead



Alligator Clip