# SDM3045X Digital Multimeter



DataSheet-2016.06



### **Product Overview**

SDM3045X is a  $4\frac{1}{2}$  digit digital (60000 count) multimeter incorporating a dual-display and is especially well suited for the needs of high-precision, multifunction and automatic measurement.

### **Main Function**

### **Basic Measurement Function**

■ DC Voltage: 600 mV ~ 1000 V

AC Voltage: True-RMS, 600 mV ~ 750 V

▲ AC Current: True-RMS,60 mA ~ 10 A

Capacitance: 2 nF ~ 10000 μF

✓ Continuity Test: Range is fixed at 2 kΩ

☑ Diode Test: Adjustable range is 0~4 V.

Frequency Measurement: 20 Hz ~ 500 KHz

Period Measurement: 2 μs ~ 0.05 s

Temperature: Support for TC and RTD sensor

Max, Min, Average, Standard Deviation, dBm/dB, Relative Measurement ,Pass/Fail Histogram, Trend Chart

### **User-friendly Design**

4.3" TFT-LCD, 480\*272

Support dual display, Chinese and English Menu Built-in front panel accessible help system File management (support for U-disc and local storage)

### **Application fields**

- Research Laboratory
- Development Laboratory
- Detection and Maintenance
- Calibration Laboratory
- Automatic Production Test

### **Main Feature**

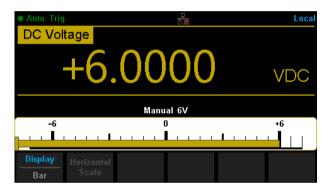
- № Real 4½ digit (60000 count) readings resolution
- Up to 150 rdgs/s measurement speed
- ▼ True-RMS AC Voltage and AC Current measuring
- 1 Gb NAND flash size, Mass storage configuration files and data files
- Built-in cold terminal compensation for thermocouple
- With easy, convenient and flexible PC software: EasyDMM
- Standard interface: USB Device, USB Host, LAN
- USB & LAN remote interfaces support common SCPI command set. Compatible with other popular DMMs on the market.

### **Special Features**

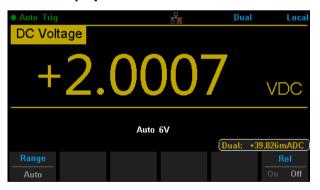
### Histogram



### Bar Chart



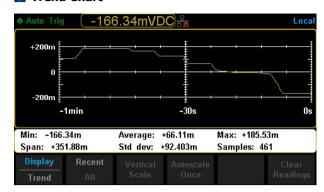
### Dual Display



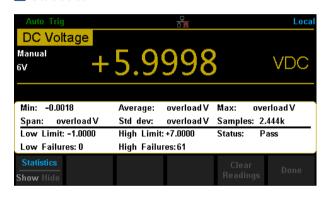
### dBm Hold Measurement



### Trend Chart



### Statistics



### Hold Measurement



### Interface



### **Specifications**

DC Characteristic Accuracy± ( % of Reading + count)[1]

Function	Range <sup>[2]</sup>	Test current or Load voltage	Resolution	Accuracy (one year; 23°C ±5°C )
	600 mV		0.01 mV	0.01+ 5
	6 V		0.0001 V	0.01+ 6
DC Voltage	60 V		0.001 V	0.02+ 4
	600 V		0.01 V	0.02+ 6
	1000 V <sup>[4]</sup>		0.1 V	0.02+ 6
	600 μΑ	< 33 mV	0.01 μΑ	0.05+ 3
	6 mA	< 330 mV	0.0001 mA	0.05+ 3
DC Current	60 mA	< 0.05 V	0.001 mA	0.05+ 3
DC Current	600 mA	< 0.5 V	0.01 mA	0.12+ 6
	6 A	< 0.33 V	0.0001 A	0.20+ 5
	10 A <sup>[5]</sup>	< 0.6 V	0.001 A	0.25+ 4
	600 Ω	1 mA	0.01 Ω	0.04+ 5
	6 ΚΩ	1 00 μΑ	0.0001 ΚΩ	0.02+ 5
	60 ΚΩ	10 μΑ	0.001 ΚΩ	0.02+ 5
Resistance <sup>[3]</sup>	600 ΚΩ	1 μΑ	0.01 ΚΩ	0.04+ 5
	6 ΜΩ	200 nA	$0.0001~\text{M}\Omega$	0.12+ 3
	60 ΜΩ	200 nA    10 MΩ	0.001 ΜΩ	0.85+ 3
	100 ΜΩ	200 nA    10 MΩ	0.01 ΜΩ	1.75+ 3
Diode Test <sup>[6]</sup>	0~2 V	1 mA	0.0001 V	0.05+3
	2~4 V	1 mA	0.0001 V	0.35+ 3
Continuity Test	2000 Ω	1 mA	0.1 Ω	0.05+3

### Remarks:

- [1] Specifications are for 0.5 Hour warm-up, "Slow" measurement rate and calibration temperature 18°C ~ 28°C.
  [2] 10% over range on all ranges except for DCV 1000 V, ACV 750 V, DCI 10 A and ACI 10 A.
  [3] Specifications are for 4-wire measure or 2-wire measure under "REF" operation. ±0.2 Ω of extra errors will be generated if perform 2-wire measure without "REF" operation.
- [4] Plus 0.02 mV of error per 1 V after the first ±500 VDC.
- [5] 30 seconds OFF after 30 seconds ON is recommend foe the continuous current that higher than DC 7 A or AC RMS 7 A.
  [6] Accuracy specifications are only for voltage measuring at input terminal. The typical value of current under measure is 1 mA. Voltage drop at diode junction may vary with current supply. Adjustable voltage range: 0~ 4 V.



Accuracy± ( % of Reading + count)<sup>1]</sup> AC Characteristic

Function	Range <sup>[2]</sup>	Frequency Range	Resolution	Accuracy (one year; 23℃ ±5℃)
		20 Hz – 45 Hz	0.01 mV	2.0 + 20
		45 Hz – 100 Hz	0.01 mV	0.6 +10
	600 mV	100 Hz – 20 KHz	0.01 mV	0.2 + 10
		20 KHz – 50 KHz	0.01 mV	1.0 + 10
		50 KHz –100 KHz	0.01 mV	3.0 + 10
		20 Hz – 45 Hz	0.0001 V	2.0 + 20
		45 Hz – 100 Hz	0.0001 V	0.6 + 10
	6 V	100 Hz – 20 KHz	0.0001 V	0.2 + 10
		20 KHz – 50 KHz	0.0001 V	1.0 + 10
		50 KHz –100 KHz	0.0001 V	3.0 + 10
		20 Hz – 45 Hz	0.001 V	2.0 + 20
		45 Hz – 100 Hz	0.001 V	0.6 +10
True-RMS AC Voltage [3]	60 V	100 Hz – 20 KHz	0.001 V	0.2 + 10
7.0 Tollago		20 KHz – 50 KHz	0.001 V	1.0 + 10
		50 KHz –100 KHz	0.001 V	3.0 + 10
		20 Hz – 45 Hz	0.01 V	2.0 + 20
		45 Hz – 100 Hz	0.01 V	0.6 + 10
	600 V	100 Hz – 20 KHz	0.01 V	0.2 + 10
		20 KHz – 50 KHz	0.01 V	1.0 + 10
		50 KHz –100 KHz	0.01 V	3.0 + 10
		20 Hz – 45 Hz	0.01 V	2.0 + 20
		45 Hz – 100 Hz <sup>[4]</sup>	0.01 V	0.6 + 10
	750 V	100 Hz – 20 KHz	0.01 V	0.2 + 10
		20 KHz – 50 KHz	0.01 V	1.0 + 10
		50 KHz –100 KHz	0.01 V	3.0 + 10
		20 Hz – 45 Hz	0.001 mA	2.0 + 20
	60 mA	45 Hz – 2 KHz	0.001 mA	0.5 + 20
		2 KHz – 10 KHz	0.001 mA	2.5 + 30
		20 Hz – 45 Hz	0.01 mA	2.0 + 20
True-RMS	600 mA	45 Hz – 2 KHz	0.01 mA	0.5 + 20
		2 KHz – 10 KHz	0.01 mA	2.5 + 30
AC Current [5]		20 Hz – 45 Hz	0.0001 A	2.0 + 20
	6 A	45 Hz – 2 KHz	0.0001 A	0.5 + 20
		2 KHz – 10 KHz	0.0001 A	2.5 + 20
		20 Hz – 45 Hz	0.001 A	1.5 + 15
	10 A <sup>[6]</sup>	45 Hz – 2 KHz	0.001 A	0.5 + 15
		2 KHz – 10 KHz	0.001 A	2.5 + 25

Additional wave crest factor error ( not Sine ) [7]		
Wave crest coefficient	Error (% Range)	
1-2	0.05	
2-3	0.3	

- Remarks: [1] Specifications are for 0.5 Hour warm-up, "Slow" measurement rate and calibration temperature  $18^{\circ}\text{C} \sim 28^{\circ}\text{C}$ . [2] 10% over range on all ranges except for DCV 1000 V, ACV 750 V, DCI 10 A and ACI 10 A.
- [3] Specifications are for amplitude of sine wave input > 5% of range. For inputs from 1% to 5% of range and <50 kHz, add 0.1% of range extra error. For 50 kHz to 100 kHz, add 0.1% of range extra error.
- [4] Plus 0.025 V of error per 1 V after the first ±400 VAC.

  [5] Specifications are for sine wave input > 5% of range. 0.1% errors will be added when the range of input sine wave is 1% to 5%.

  [6] 30 seconds OFF after 30 seconds ON is recommend for the continuous current that higher than DC 7 A or AC RMS 7 A.

  [7] For inputs Frequency Range < 100 Hz

### Frequency and Period Characteristic

Accuracy± (% of Reading + count)[1]

Function	Range	Frequency Range	Resolution	Accuracy (one year; $23^{\circ} \pm 5^{\circ}$ )
Frequency /Period	600 mV to 750 V <sup>[2]</sup>	20 Hz – 2 KHz		0.01+3
		2 KHz – 20 KHz		0.01+2
		20 KHz – 200 KHz		0.01+2
		200 KHz –500 KHz		0.01+2

### Remarks:

- [1] Specifications are for 0.5 Hour warm-up.
- [2] Except for special marks, the AC input voltage is 5% to 110% of range when <100 kHz and 10% to 110% of range when >100 kHz. 750 V range is limited to 750 Vrms. The accuracy is 10 times % of Reading when the measurement range of AC voltage is in 600 mV range.

### Capacitance Characteristic

Accuracy $\pm$  (% of Reading + count)<sup>[1]</sup>

Function	Range <sup>[2]</sup>	Max Testing Current	Resolution	Accuracy (one year; 23℃ ±5℃ )
Capacitance	2 nF	10 μΑ	0.001 nF	3+10
	20 nF	10 μΑ	0.01 nF	1+10
	200 nF	100 μΑ	0.1 nF	1+9
	2 μF	100 μΑ	0.001 μF	1+10
	20 μF	1 mA	0.01 μF	1+10
	200 μF	1 mA	0.1 μF	1+9
	10000 μF	1 mA	1 μF	2+50

- [1] Specifications are for 0.5 Hour warm-up and "REF" operation. Using of non-film capacitor may generate additional errors. [2] Specifications are for from 1% to 110% on 2 nF range and ranges from 10% to 110% on other ranges.

### Temperature Characteristic

Accuracy± (% of Reading)[1]

Function	Probe Type	Probe Model	Working Temperature Range	Accuracy (one year; 23℃ ±5℃)	Temperature coefficient $0^{\circ} \sim 18^{\circ} \sim 50^{\circ}$
	RTD <sup>[2]</sup>	a=0.00385	-200℃ ~ 660℃	0.16℃	0.09℃
	TC <sup>[3]</sup> B E J K N R S	В	0℃ ~ 1820℃	0.76℃	0.14℃
		Е	-270℃ ~ 1000℃	0.5℃	0.02℃
		J	-210℃ ~ 1200℃	0.5℃	0.02℃
Temperature		K	-270℃ ~ 1370℃	0.5℃	0.03℃
		-270℃ ~ 1300℃	0.5℃	0.04℃	
		R	-50℃ ~ 1760℃	0.5℃	0.09℃
		S	-50℃ ~ 1760℃	0.6℃	0.11℃
		Т	-270℃ ~ 400℃	0.5℃	0.03℃

- [1] Specifications are for 0.5 Hour warm-up, not include probe error.
- [2] Specifications are for 4-wire measure or 2-wire measure under "REF" operation.
  [3] Built-in cold terminal compensation for thermocouple, accuracy is ±2℃.

### Measuring Method and other Characteristics

DC Voltage	nd other Characteristics			
-	600 mV 10 MΩ or 10 GΩ selectable			
Input Resistance	6 V,60 V, 600 V and 1000 V Range $10 \text{ M}\Omega \pm 2$	2%		
Input Bias Current	<90 pA, 25°C			
Input Protection	1000 V on all ranges			
CMRR	120 dB (For the 1 K $\Omega$ unbalanced resistance in L	.0 lead, max ±500 VDC)		
NMRR	60 dB at "slow" measurement rate			
Resistance				
Testing Method	4-wire resistance or 2-wire resistance selectable			
Input Protection	1000 V on all ranges			
DC Current				
	600 μA sampling voltage < 33 mV			
Shunt Resistor	6 mA sampling voltage < 0.33 V	6 mA sampling voltage < 0.33 V		
Shuff Resistor	$1\Omega$ for 60 mA, 600 mA 1 $\Omega$			
	$0.01~\Omega$ for 6 A, 10 A			
Input Protection	Rear panel: accessible 10 A,250 V fast-melt fuse	е		
Input Protection	Internal :12 A,250 V slow-melt fuse			
Continuity/Diode Te	est			
Measurement Method	1 mA ±5% constant-current source or open-circ	uit voltage		
Beeper	yes			
Continuity Threshold	Adjustable			
Input Protection	1000 V			
True-RMS AC Voltag	je			
Measurement Method	AC Coupled true RMS measure – up to 1000 V D	OC bias are permitted on every range.		
Wave Crest Factor	≤3 at full scale			
Input Impedance	1 M $\Omega$ ± 2% in parallel with <100 pF on all range	1 M $\Omega$ ± 2% in parallel with <100 pF on all ranges		
AC Filter Bandwidth	20 Hz ~ 100 KHz			
CMRR	60 dB (For the 1 $K\Omega$ imbalance resistance among	g Lo lead and <60 Hz, Max ±500 VDC)		
True-RMS AC Curre	nt			
Measurement Method	DC Coupled to the fuse and shunt; AC Coupled t	the True-RMS measurement (measures the AC components only)		
Wave Crest Factor	≤3 at full scale			
Max Input	<10 A (include DC component)	<10 A (include DC component)		
Shunt Resistor	1 $\Omega$ for 60 mA, 600 mA 1 $\Omega;~0.01~\Omega$ for 6 A, 10	1 $\Omega$ for 60 mA, 600 mA 1 $\Omega$ ; 0.01 $\Omega$ for 6 A, 10 A		
	Rear panel: accessible 10 A,250 V fast-melt fuse	e		
Township Double attack	iteal parier: accessible 10 A,250 V last melt last			
Input Protection	Internal :12 A,250 V slow-melt fuse			
Input Protection  Frequency/Period				
'	Internal :12 A,250 V slow-melt fuse	t, AC voltage or AC current measurement function		
Frequency/Period	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input			
Frequency/Period Measurement Method Measure Attentions	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input  Error are leaded into all frequency counters whe	t, AC voltage or AC current measurement function		
Frequency/Period Measurement Method	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input  Error are leaded into all frequency counters whe	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input  Error are leaded into all frequency counters whe	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe ring  Measure the rate of change of voltage generated 2-wire	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.		
Frequency/Period  Measurement Method  Measure Attentions  Capacitance Measure  Measurement Method  Connection Type  Input Protection	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe  ring  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measure	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe ring  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measure Measurement Method	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe ring  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges  Iring  Support for TC and RTD types of sensor	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measure Measurement Method Trigger and Memory	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe fing  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges  Iring  Support for TC and RTD types of sensor	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measure Measurement Method Trigger and Memory Samples/Trigger	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe  ring  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges  Iring  Support for TC and RTD types of sensor  1 ~ 10000	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measure Measurement Method Trigger and Memory	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe fing  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges  Iring  Support for TC and RTD types of sensor	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.  d during the current flowing the capacitance  TTL compatible (High level when left input terminal is hanging		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measurement Method Trigger and Memory Samples/Trigger Trigger Delay	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe  ring  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges  suring  Support for TC and RTD types of sensor  1 ~ 10000 6 ms ~ 10000 ms optional  Input Level	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.  d during the current flowing the capacitance  TTL compatible (High level when left input terminal is hanging in the air)		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measure Measurement Method Trigger and Memory Samples/Trigger	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe  fing  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges  Iring  Support for TC and RTD types of sensor  1 ~ 10000 6 ms ~ 10000 ms optional  Input Level  Trigger Condition	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.  d during the current flowing the capacitance  TTL compatible (High level when left input terminal is hanging in the air)  Rising and Falling selectable		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measurement Method Trigger and Memory Samples/Trigger Trigger Delay	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe  fing  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges  Iring  Support for TC and RTD types of sensor  1 ~ 10000 6 ms ~ 10000 ms optional Input Level Trigger Condition Input Impedance	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.  d during the current flowing the capacitance  TTL compatible (High level when left input terminal is hanging in the air)  Rising and Falling selectable  ≥20 KΩ//400 pF ,DC-coupled		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measurement Method Trigger and Memory Samples/Trigger Trigger Delay	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe  ing  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges  Iring  Support for TC and RTD types of sensor  1 ~ 10000 6 ms ~ 10000 ms optional Input Level Trigger Condition Input Impedance Min Pulse	t, AC voltage or AC current measurement function on measuring low voltage or low frequency signal.  d during the current flowing the capacitance  TTL compatible (High level when left input terminal is hanging in the air)  Rising and Falling selectable  ≥20 KΩ//400 pF ,DC-coupled  500 us		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measure Measurement Method Trigger and Memory Samples/Trigger Trigger Delay External Trigger Input	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe  ing  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges  suring  Support for TC and RTD types of sensor  1 ~ 10000 6 ms ~ 10000 ms optional  Input Level  Trigger Condition Input Impedance Min Pulse Level	t, AC voltage or AC current measurement function en measuring low voltage or low frequency signal.  d during the current flowing the capacitance  TTL compatible (High level when left input terminal is hanging in the air)  Rising and Falling selectable  ≥20 KΩ//400 pF ,DC-coupled  500 us  TTL compatible		
Frequency/Period Measurement Method Measure Attentions Capacitance Measure Measurement Method Connection Type Input Protection Temperature Measurement Method Trigger and Memory Samples/Trigger Trigger Delay	Internal :12 A,250 V slow-melt fuse  Reciprocal-counting technique, AC Coupled input Error are leaded into all frequency counters whe  ing  Measure the rate of change of voltage generated 2-wire 1000 V on all ranges  Iring  Support for TC and RTD types of sensor  1 ~ 10000 6 ms ~ 10000 ms optional Input Level Trigger Condition Input Impedance Min Pulse	t, AC voltage or AC current measurement function on measuring low voltage or low frequency signal.  d during the current flowing the capacitance  TTL compatible (High level when left input terminal is hanging in the air)  Rising and Falling selectable  ≥20 KΩ//400 pF ,DC-coupled  500 us		

History Records	
Volatile Memory	10 K reading of history records
Nonvolatile Memory	1 Gb Nand Flash, Mass storage configuration files and data files, Support U-disk external storage
Math Functions	
Min/Max/Average, dBm, dB,	Pass/Fail, Relative, Standard deviation, Hold, histogram, Trend chart, Bar chart

## **General Specifications**

Power Supply	
AC 100 V ~ 120 V	45 Hz ~ 66 Hz
AC 200 V ~ 240 V	45 Hz ~ 66 Hz
Consumption	20VA max
Mechanism	
Dimension	293.75 mm×260.27 mm×107.21 mm
Weight	3.76 Kg
Other Characteristics	
Display Screen	4.3" TFT-LCD with resolution 480*272
	Full accuracy from $0^\circ\!$
Operation Environment	Storage Temperature: -20°C -70°C
Operation Environment	Shock and Vibration: conforming to MIL-T-28800E, , 5 level (only foe sine)
	Height above sea level: up to 3000 meters
electromagnetic compatibility	Conforming to EMC (2004/108/EC) and EN 61326-1:2013
Safety	Conforming to EN61010-1:2010 and low voltage instructions (2006/95/EC)
Remote Interface	10/100 Mbit LAN, USB2.0 Full Speed Device and Host
Programmer Language	Standard SCPI, compatible with commands of main stream multimeters
Warm Up Time	30 minutes

### **Purchase Information**

Product name	SIGLENT SDM3045X Digital Multimeter	
Models	SDM3045X	
Standard Accessories	A power Cord that fits the standard of destination country	
	Two Test Leads, Two Alligator Clips	
	A USB Cable	
	A Quick Start	
	A Guaranty Card	
	EasyDMM computer software system	

# SDM3045X Digital Multimeter



### About SIGLENT

SIGLENT is an international high-tech company, concentrating on R&D, sales, production and services of electronic test & measurement instruments.

SIGLENT first began developing digital oscilloscopes independently in 2002. After more than a decade of continuous development, SIGLENT has extended its product line to include digital oscilloscopes, function/arbitrary waveform generators, digital multimeters, DC power supplies, spectrum analyzers, isolated handheld oscilloscopes and other general purpose test instrumentation. Since its first oscilloscope, the ADS7000 series, was launched in 2005, SIGLENT has become the fastest growing manufacturer of digital oscilloscopes. We firmly believe that today SIGLENT is the best value in electronic test & measurement.

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