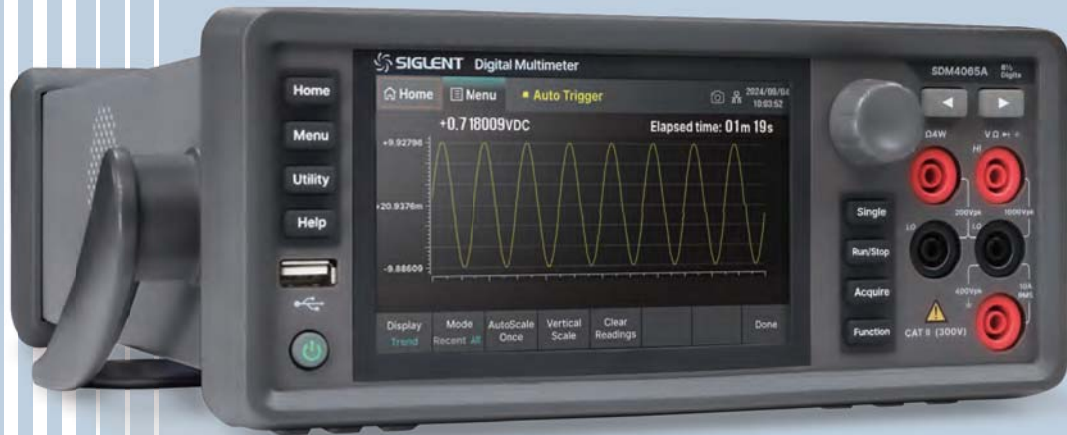


DIGITAL MULTIMETER

SIGLENT
TECHNOLOGIES
PRODUCT CATALOG



email: caltron@caltron.sg
www.caltron.sg



SDM4065A Digital Multimeter

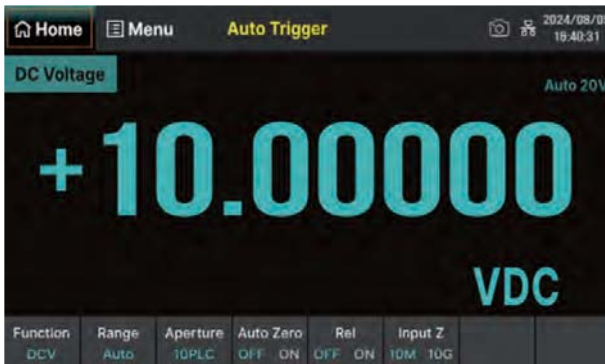
Main Feature

- 5-inch true color TFT-LCD display with a resolution of 800 * 480, paired with a touchable screen and a brand-new UI
- Real 6½ digit (2,200,000 count) readings resolution
- Up to 50k rdgs/s of measurement speed, support a maximum sampling interval of 100 PLC and a minimum sampling interval of 0.001 PLC
- 512 MB RAM, capable of saving up to 2M readings for caching, support timestamp
- 256 MB Nand Flash, supports storage of various types of files such as readings, images, configuration files
- 4 trigger modes: auto trigger, single trigger, external trigger and level trigger
- 4 display modes: numerical, bar meter, trend chart and histogram
- DC measurements support autozero functions
- True-RMS AC Voltage and AC Current measurement
- Support automatic switching between 10 A high current and 3 A low current measurement modes, and can be tested up to 30 A when paired with an external shunt
- Support RTD, thermocouple and user-defined sensor
- Support dual display and probe hold functions
- Support standard SCPI remote control commands
- Equipped with EasyDMM-X host computer control and sampling software
- Communications interface: USB Device (optional USB-GPIB adapter), USB Host, LAN
- Support BNC VMC output, Trigger input
- Support VNC, Web-server
- Chinese and English menu, and built-in help system for easy information retrieval

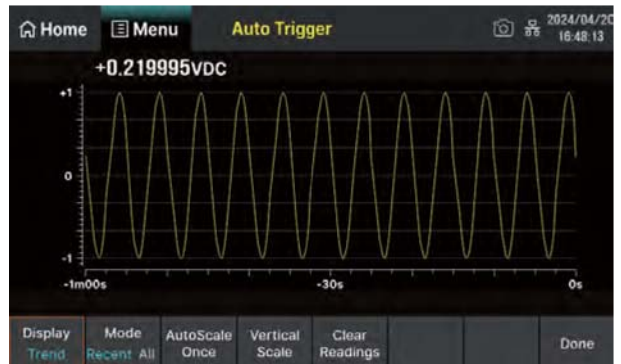
* Not for sale in North America.

Characteristics

- Numerical Display



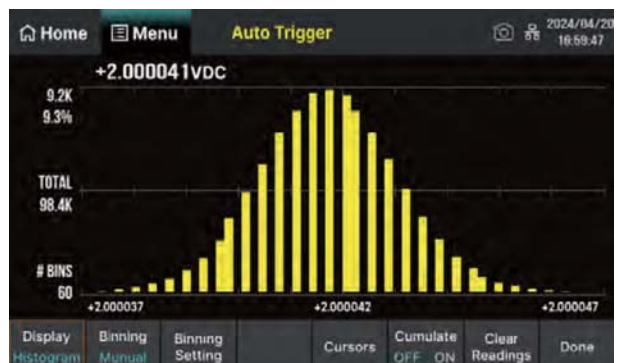
- Trend Chart



- Bar Meter



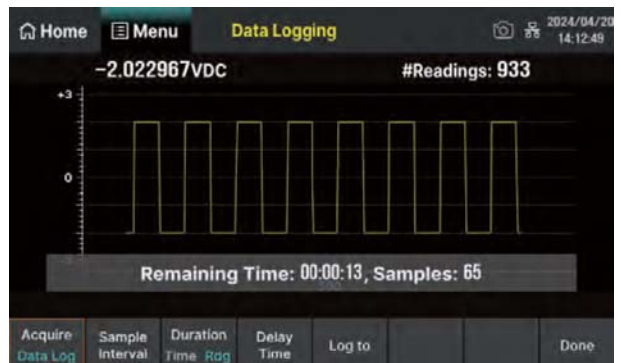
- Histogram



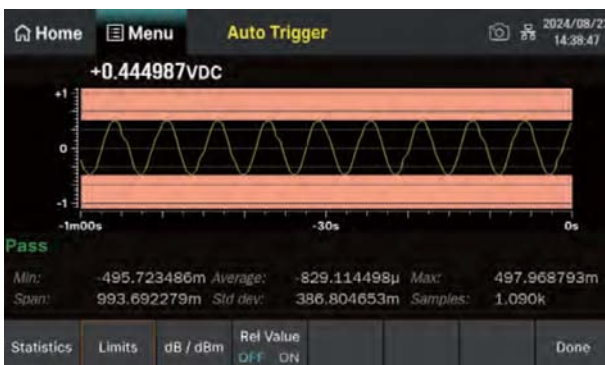
- Probe Hold



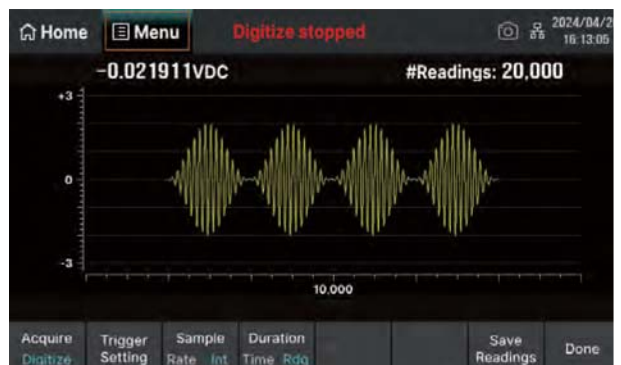
- Data Log

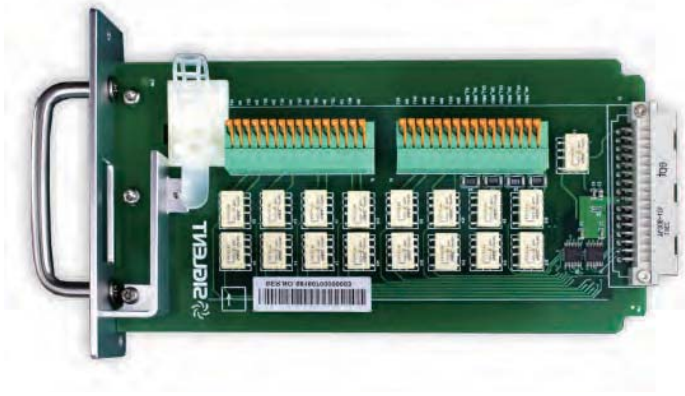


- Statistics and Limits



- Digitize





- Scanner card SC1016

The scanner card SC1016 is a multiplexer that provides multi-point measurement capabilities to the SDM4065A-SC. The scanner features 12 multi-purposes + 4 current channels and supports the following measurement functions: DCV, ACV, DCI, ACI, 2WR, 4WR, CAP, FREQ, DIODE, CONT and TEMP (RTD and Thermocouple). It provides a convenient and versatile solution for test applications that require multiple measurement points or signals and is an ideal tool for R&D burn-in and production testing.

Specifications

Model	SDM4065A	SDM4065A-SC ^[1]
Number of Digits	6½	
DCV Basic Accuracy	35 ppm	
Max Reading Rate	50,000 rdgs/s	
Logging Memory	Up to 2 million readings	
Support Scanner	No	Yes
DCV Range	200 mV ~ 1000 V	
ACV Range	200 mV ~ 750 V	
DCI Range	200 uA ~ 10 A	
ACI Range	200 uA ~ 10 A	
2/4-Wire Resistance Range	200 Ω~ 100 MΩ	
Continuity / Diode	Buzzer, 4 V	
Frequency / Period Range	3 Hz ~ 1 MHz	
Temperature	RTD, thermocouple	
Capacitance Range	2 nF ~ 100 mF	
IO	USB Host, USB Device, LAN, GPIB (optional)	
External Interface	Exit trigger, VMC output	
Display Screen	5-inch TFT touchable display screen	

Note:

[1] For policy and regulatory reasons, this scanner model is not available in some regions, please contact the local distributor for more information.

Ordering Information

Product Model	Description
SDM4065A	6.5 digits high-precision multimeter
SDM4065A-SC	6.5 digits high-precision multimeter with 16 channel scanner cards
Standard Configurations	Quantity
Power Cord	1
Test Leads	2
Alligator Clips	2
USB Cable	1
Quick Start	1
Warranty Card	1
Upper Computer Software	Free download from official website
Optional Configurations	Model
USB-GPIB Adapter	USB-GPIB
30 A Diverter	SCD30A



SDM3065X Digital Multimeter

Application

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

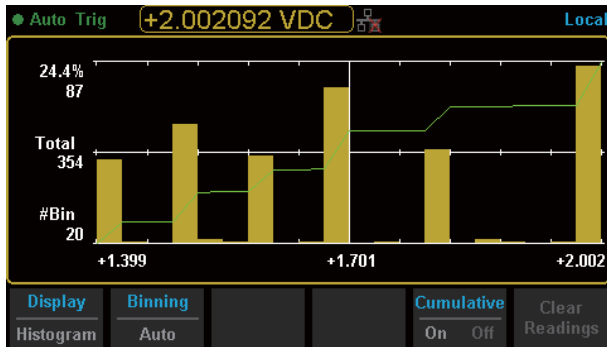
Main Feature (SDM3065X/SDM3065X-SC)

- 4.3" TFT-LCD, 480*272
- Real 6½ digits readings resolution (2,200,000 counts)
- 1Gb Nand flash size, Mass storage configuration files and data files
- True-RMS AC Voltage and AC Current measuring
- Supports double display, Chinese and English Menu
- File management (support for U-disc and local storage)
- Built-in cold terminal compensation for thermocouple
- Comes with easy, convenient and flexible any sensor measurement control software: EasyDMM
- Standard interfaces: USB Device, USB Host, LAN (Optional Accessories: USB- GPIB Adapter)
- Scanner Card SC1016 (Only for SDM3065X-SC)
- Built-in Help system makes information acquisition easier
- Support remote control operation via SCPI commands. Compatible with commands of other main stream multimeters
- Supports intelligent management system for laboratory based on BS framework and LAN

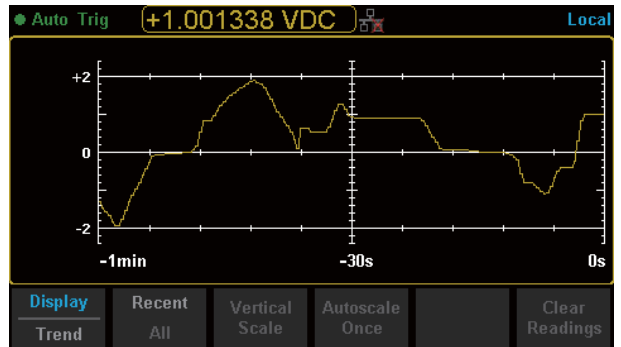
Digital Multimeter

Special Features

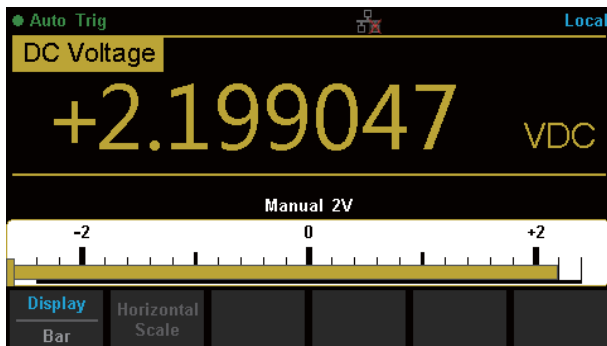
- Histogram



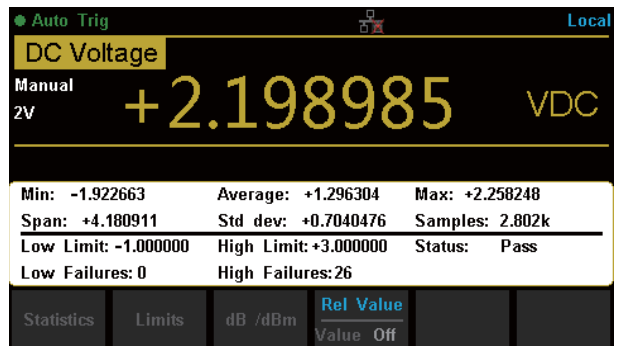
- Trend Chart



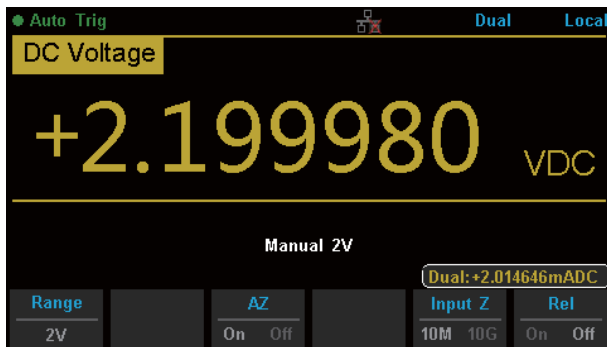
- "Analog" Bar Display



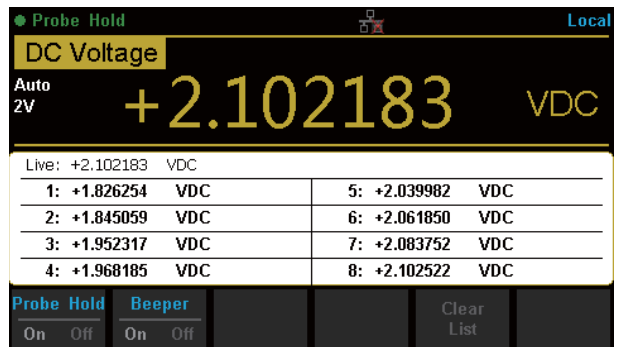
- Statistics



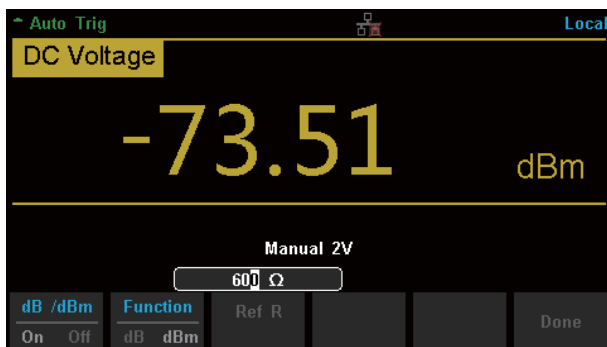
- Dual Measurement Display



- Hold Measurement



- dBm Hold Measurement

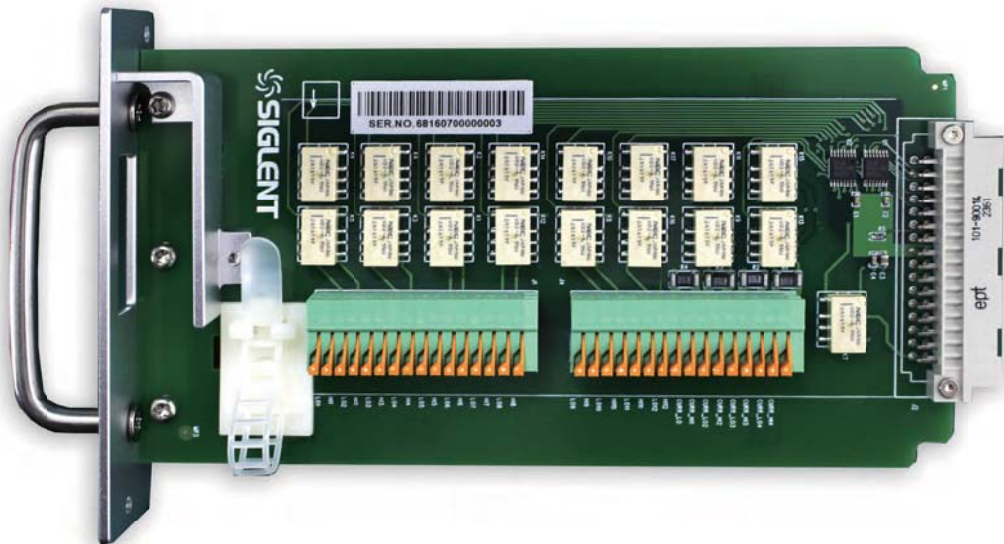


- Interface



Scanner card SC1016 (Only for SDM3065X-SC)

The SIGLENT Scanner Card SC1016 is a multiplexer that provides multi-point measurement capabilities to the SDM3065X-SC. The scanner features 12 multi-purpose + 4 current channels and supports the following measurement functions: DCV, ACV, DCI, ACI, 2WR, 4WR, CAP, FREQ, DIODE, CONT and TEMP (RTD and Thermocouple). It provides a convenient and versatile solution for test applications that require multiple measurement points or signals and is an ideal tool for R&D burn-in and production testing.



Ordering Information

Standard Accessories	
Power Cord -1	
USB Cable -1	
Quick Start -1	
warranty Card -1	
EasyDMM ^[1]	software
Test Leads and Alligator Clips -2	
Optional Accessories	
USB-GPIB	USB-GPIB adapter

[1]The latest version of EasyDMM can be downloaded for free from the SDM3000 series of digital multimeter. Please see our web site at www.siglent.com for more information.



SDM4055A Digital Multimeter

Main Feature

- 5-inch TFT-LCD display with a resolution of 800 * 480, paired with a touchable screen and a brand-new UI
- Real 5½ digit (220,000 count) readings resolution
- Reading rate from 5 rdgs/s to 4.8k rdgs/s, and support: Fast, Medium and Slow mode
- 512MB RAM, capable of saving up to 2M readings for caching, support timestamp
- 256MB Nand Flash, supports storage of various types of files such as readings, images, configuration files
- 4 trigger modes: auto trigger, single trigger, external trigger and level trigger
- 4 display modes: numerical, bar meter, trend chart and histogram
- True-RMS AC Voltage and AC Current Measurements
- Support automatic switching between 10 A high current and 3 A low current measurement modes, and can test up to 30 A when paired with an external shunt
- Support RTD, thermocouple and user-defined sensor
- Support dual display and probe hold functions
- Support SCPI remote control commands
- Equipped with EasyDMM-X host computer control and sampling software
- Communications interface: USB Device (optional USB-GPIB adapter), USB Host, LAN
- Other interface: VMC output, Trigger input
- Remote access support for VNC, web servers
- Chinese and English menu, and built-in help system for easy information retrieval

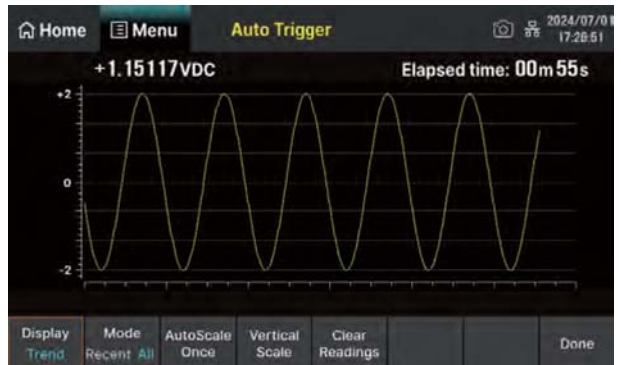
* Not for sale in North America.

Characteristics

- Numerical Display



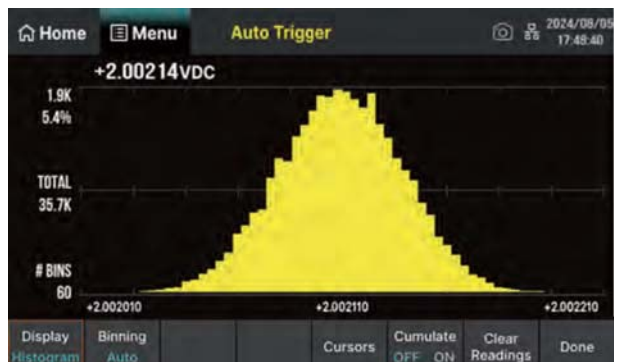
- Trend Chart



- Bar Meter



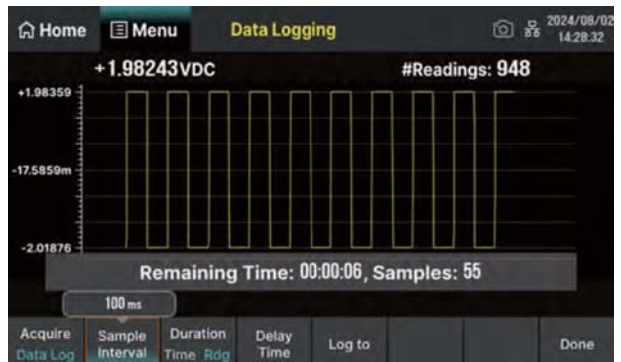
- Histogram



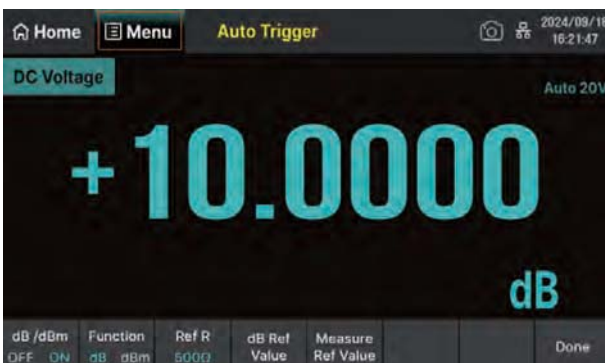
- Probe Hold



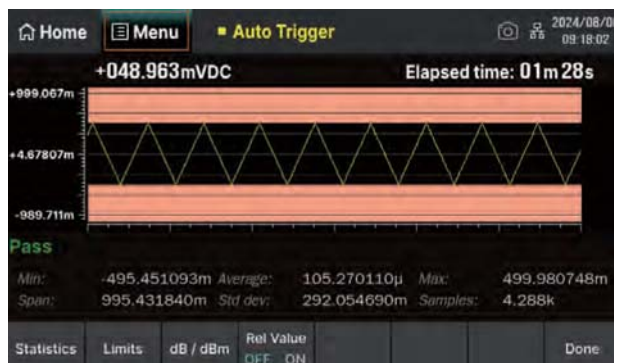
- Data Log

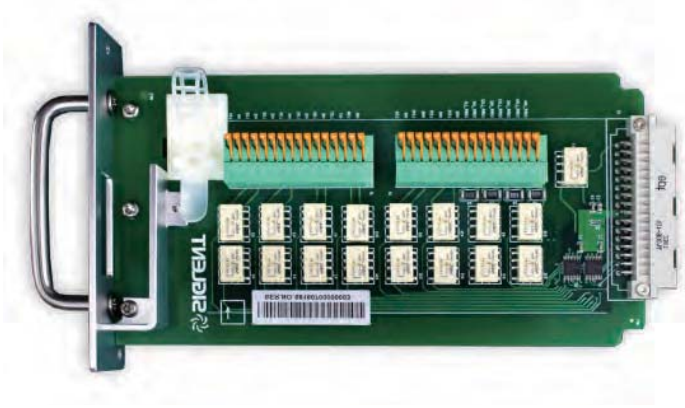


- dB/dBm Calculator



- Statistics and Limits





- Scanner card SC1016

The scanner card SC1016 is a multiplexer that provides multi-point measurement capabilities to the SDM4055A-SC. The scanner features 12 multi-purposes + 4 current channels and supports the following measurement functions: DCV, ACV, DCI, ACI, 2WR, 4WR, CAP, FREQ, DIODE, CONT and TEMP (RTD and Thermocouple). It provides a convenient and versatile solution for test applications that require multiple measurement points or signals and is an ideal tool for R&D burn-in and production testing.

Specifications

Model	SDM4055A	SDM4055A-SC ^[1]
Number of Digits	5½	
DCV Basic Accuracy	150 ppm	
Max Reading Rate	4,800 rdgs/s	
Memory	Up to 2 million readings	
Support Scanner	No	Yes
DCV Range	200 mV ~ 1000 V	
ACV Range	200 mV ~ 750 V, 20 Hz ~ 100 kHz	
DCI Range	200 uA ~ 10 A	
ACI Range	20 mA ~ 10 A, 20 Hz ~ 10 kHz	
2/4-Wire Resistance Range	200 Ω ~ 100 MΩ	
Continuity / Diode	Buzzer, 4 V max	
Frequency / Period Range	20 Hz ~ 1 MHz	
Temperature	RTD, thermocouple	
Capacitance Range	2 nF ~ 10 mF	
IO	USB Host, USB Device, LAN, GPIB (optional)	
External Interface	Exit trigger, VMC out	
Display Screen	5-inch TFT touchable display screen	

Note:

[1] For policy and regulatory reasons, this scanner model is not available in some regions, please contact the local distributor for more information.

Ordering Information

Product Model	Description
SDM4055A	5.5 digits high-precision multimeter
SDM4055A-SC	5.5 digits high-precision multimeter with 16 channel scanner cards
Standard Configurations	Quantity
Power Cord	1
Test Leads	2
Alligator Clips	2
USB Cable	1
Quick Start	1
Warranty Card	1
Upper Computer Software	Free download from official website
Optional Configurations	Model
USB-GPIB Adapter	USB-GPIB
30 A Diverter	SCD30A



SDM3055 Digital Multimeter

Application

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

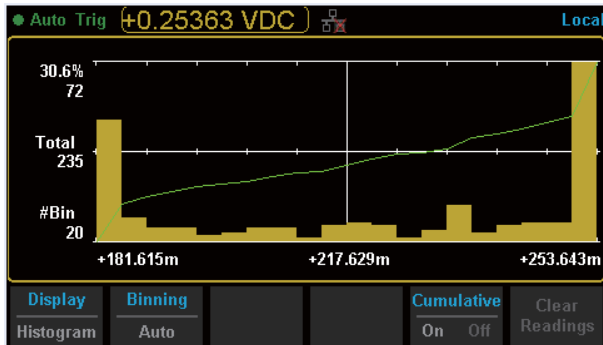
Main Features (SDM3055/SDM3055-SC)

- Real 5½ digits readings resolution (240, 000 counts)
- 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 temperature measurements
- With easy, convenient and flexible PC software: EasyDMM
- standard interfaces: USB Host, LAN (Optional Accessories USB-GPIB Adapter)
- Scanner Card SC1016 (Only for SDM3055-SC)
- Support remote control operation via SCPI commands. Compatible with commands of main stream multimeters

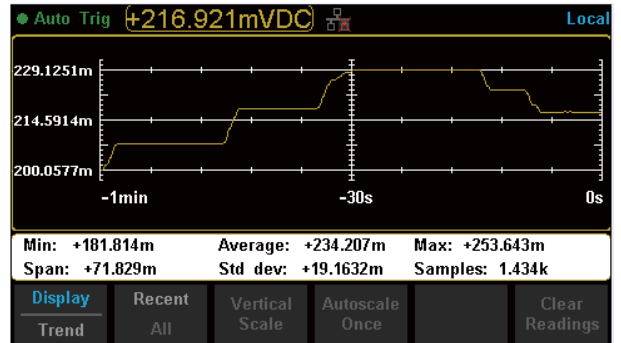
Digital Multimeter

Special Features

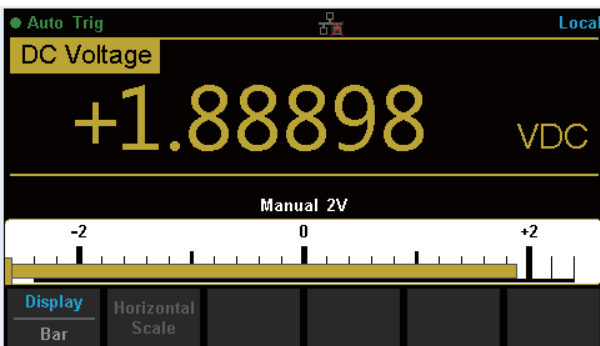
- Histogram



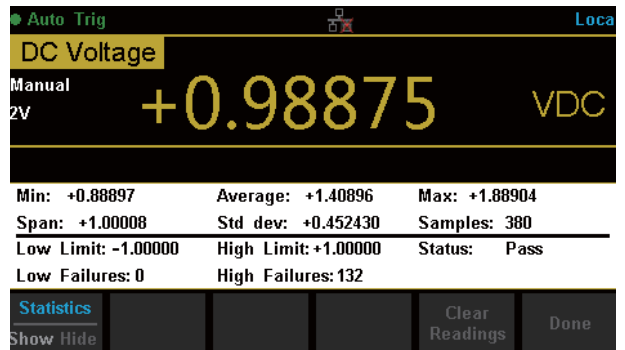
- Trend Chart



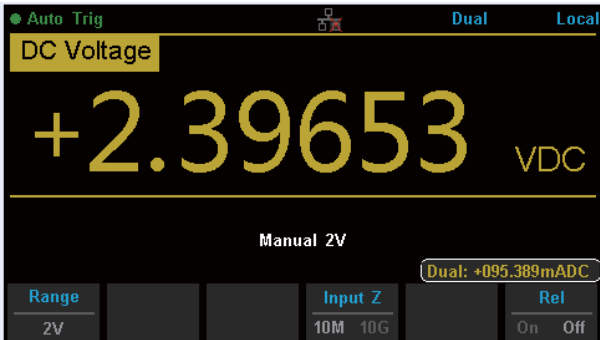
- Bar Chart



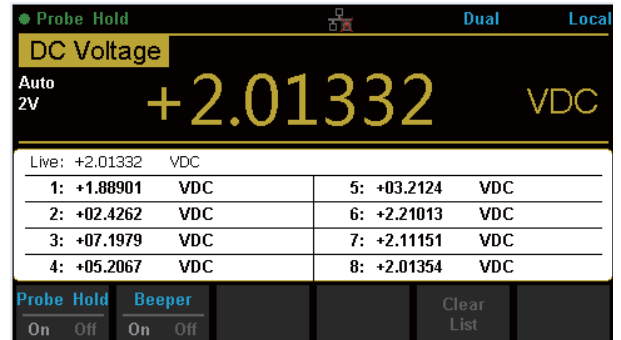
- Statistics



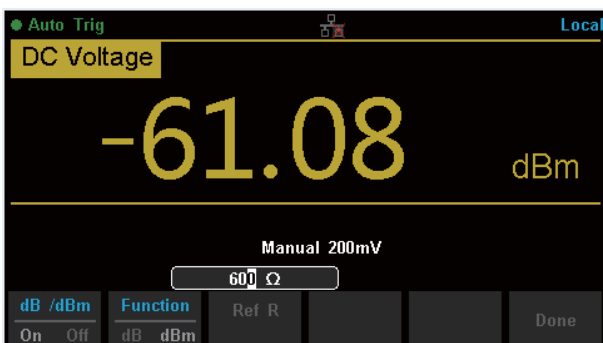
- Dual Display



- Hold Measurement



- dBm Hold Measurement

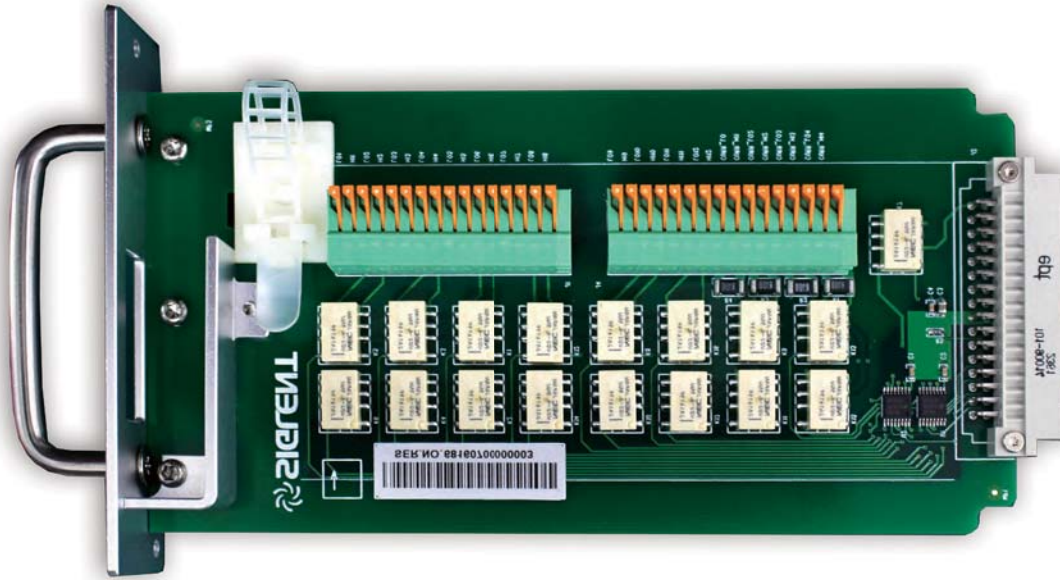


- Interface



Scanner card SC1016 (Only for SDM3055-SC)

The SIGLENT Scanner Card SC1016 is a multiplexer that provides multi-point measurement capabilities to the SDM3055-SC. The scanner features 12 multi-purpose + 4 current channels and supports the following measurement functions: DCV, ACV, DCI, ACI, 2WR, 4WR, CAP, FREQ, DIODE, CONT and TEMP (RTD and Thermocouple). It provides a convenient and versatile solution for test applications that require multiple measurement points or signals and is an ideal tool for R&D burn-in and production testing.



Ordering Information

Standard Accessories	
Power Cord -1	
USB Cable -1	
Quick Start -1	
warranty Card -1	
EasyDMM ^[1]	software
Test Leads and Alligator Clips -2	
Optional Accessories	
USB-GPIB	USB-GPIB adapter

[1]The latest version of EasyDMM can be downloaded for free from the SDM3000 series of digital multimeter. Please see our web site at www.siglent.com for more information.



SDM3045X Digital Multimeter

Application

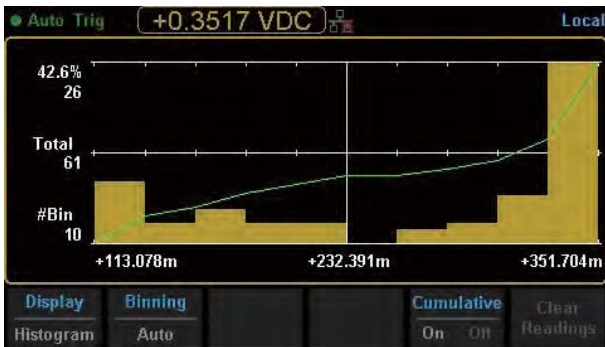
- Research Laboratory
- Development Laboratory
- Detection and Maintenance
- Calibration Laboratory
- Automatic Production Test

Main Features SDM3045X

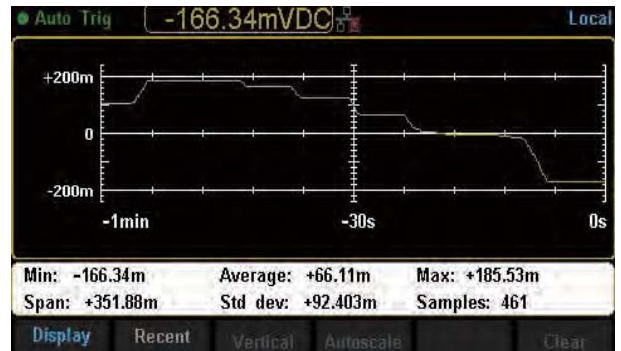
- Real 4½ digit (60000 count) readings resolution
- Up to 150 rdgs/s measurement speed
- True-RMS AC Voltage and AC Current measuring
- 1 Gb NAND flash size, Mass storage configuration files and data files
- Built-in cold terminal compensation for thermocouple
- With easy, convenient and flexible PC software: EasyDMM
- Standard interface: USB Device, USB Host, LAN (Optional Accessories: USB-GPIB Adapter)
- USB & LAN remote interfaces support common SCPI command set. Compatible with other popular DMMs on the market

Special Features

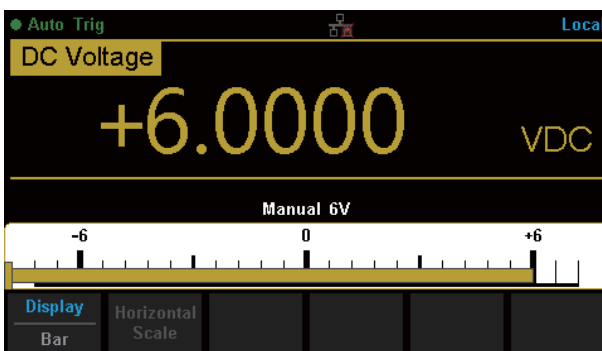
- Histogram



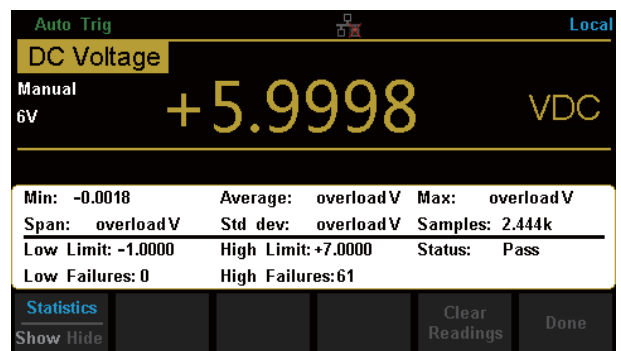
- Trend Chart



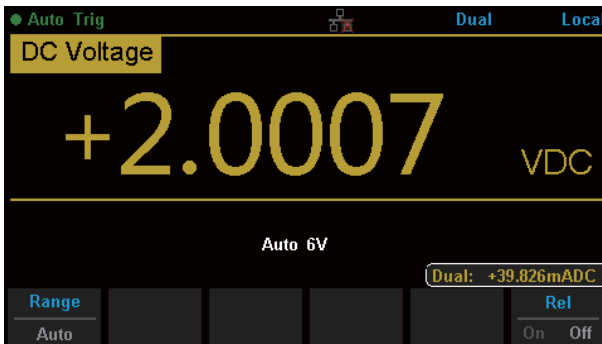
- Bar Chart



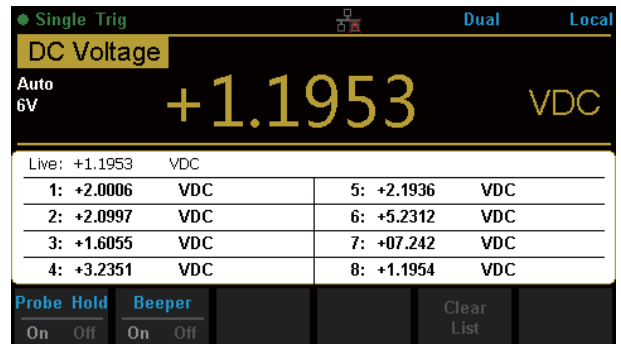
- Statistics



- Dual Display



- Hold Measurement



Ordering Information

Standard Accessories	
Power Cord	-1
USB Cable	-1
Quick Start	-1
warranty Card	-1
EasyDMM ^[1]	software system
Test Leads and Alligator Clips	-2
Optional Accessories	
USB-GPIB adapter	USB-GPIB

[1] The latest version of EasyDMM can be downloaded for free from the SDM3000 series of digital multimeter. Please see our web site at www.siglent.com for more information.



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, isolated handheld oscilloscopes, function/arbitrary waveform generators, RF/MW signal generators, spectrum analyzers, vector network analyzers, digital multimeters, DC power supplies, electronic loads and other general purpose test instrumentation. Since its first oscilloscope 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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