SIGLENT®

Digital Oscilloscope
Waveform Generator
RF Signal Generator
Spectrum Analyzer
Vector Network Analyzer
DC Power Supply
DC Electronic Load
Digital Multimeter
Probes & Accessories

Product Selection Guide

Every Bench.
Every Engineer.
Every Day.

SIGLENT TECHNOLOGIES CO., LTD

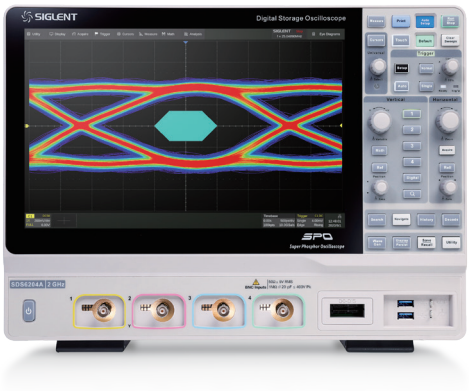
Super Phosphor Oscilloscope

SDS7000A Series

SDS7804AP / SDS7804A H12 (8 GHz)
SDS7604AP / SDS7604A H12 (6 GHz)
SDS7404A H12 (4 GHz)
SDS7304A H12 (3 GHz)

Features and Benefits:

- 4 analog channels, up to 8 GHz bandwidth with up to 20 GSa/s sample rate
- 12-bit ADC
- Low background noise: 300 μVrms @ 8 GHz bandwidth, 220 μVrms @ 4 GHz bandwidth
- SPO technology
  - Waveform capture rates up to 1,000,000 wfm/s
  - Supports 256-level intensity grading and color temperature display modes
  - Up to 2 Gpts/ch waveform length (optional, AP models)
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Dropout, Pattern, Qualified, Nth edge, Setup/hold, Delay and Video (HDTV supported). Zone Trigger simplifies advanced triggering
- Serial bus triggering and decoder, supports protocols I2C, SPI, UART, CAN, LIN, CAN FD, CAN XL, FlexRay, I2S, MIL-STD-1553B, SENT, Manchester, ARINC429 and USB 2.0
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 124,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- History waveform record (History) function, the maximum recorded waveform length is 124,000 frames
- Automatic measurements on 60+ parameters, supports statistics with histogram, track, trend, Gating measurement, and measurements on Math, History and Memory traces
- 4 Math traces (32 Mpts FFT, Filter, addition, subtraction, multiplication, division, integration, differential, square root, etc.), supports formula editor
- Abundant data analysis functions such as Search, Navigate, SignalScan, Digital Voltmeter, Counter, Waveform Histogram, Bode plot, Power Analysis, Eye/Jitter Analysis and Compliance Test
- Spectrum Analyzer mode (A models only)
- High Speed hardware-based Average, ERES; High Speed hardware-based Mask Test function, with Mask Editor tool for creating user-defined masks
- 16 digital channels
- Built-in 50 MHz waveform generator
- Large 15.6" HD TFT-LCD display with 1920 * 1080 resolution; Capacitive touch screen supports multi-touch gestures
- Interfaces include: 4x USB Host 3.1 Gen 1, 2x USB 3.0 Host, USB 2.0 Device, 2x 1000M LAN, DVI-D, DP 1.2, HDMI 1.4, Audio, External Triger In, Aux Out (Pass/Fail, Trigger Out), 10 MHz In, 10 MHz Out
- Built-in web server supports remote control over the LAN port using a web browser. Supports SCPI remote control commands. Supports external mouse and keyboard



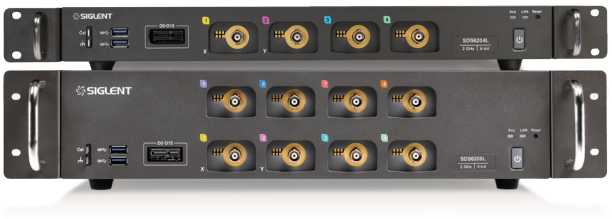
SDS6000A Series

SDS6204A (2 GHz)
SDS6104A (1 GHz)
SDS6054A (500 MHz)

Features and Benefits:

- 4 analog channels, up to 2 GHz bandwidth with 5 GSa/s (10 GSa/s ESR) sample rate at each channel
- Low background noise, supports 0.5 mV/div to 10 V/div vertical scales
- SPO technology
  - Waveform capture rates up to 170,000 wfm/s (normal mode), and 750,000 wfm/s (sequence mode)
  - Supports 256-level intensity grading and color temperature display modes
  - 500 Mpts Record length in total for all 4 channels
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Dropout, Pattern, Qualified, Nth edge, Setup/hold, Delay and Video (HDTV supported). Zone Trigger simplifies advanced triggering
- Serial bus triggering and decoder, supports protocols I2C, SPI, UART, CAN, LIN, CAN FD, FlexRay, I2S, MIL-STD-1553B, SENT and Manchester
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 80,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- History waveform record (History) function, the maximum recorded waveform length is 80,000 frames
- Automatic measurements on 50+ parameters, supports statistics with histogram, track, trend, Gating measurement, and measurements on Math, History and Ref
- 4 Math traces (8 Mpts FFT, addition, subtraction, multiplication, division, integration, differential, square root, etc.), supports formula editor
- Abundant data analysis functions such as Search, Navigate, Digital Voltmeter, Counter, Waveform Histogram, Bode plot, Power Analysis and Eye/Jitter Analysis
- High Speed hardware-based Average, Hi-Res; High Speed hardware-based Mask Test function, with Mask Editor tool for creating user-defined masks
- 16 digital channels (optional)
- 25 MHz function / arbitrary waveform generator, built-in multiple predefined waveforms
- Large 12.1" TFT-LCD display with 1280 * 800 resolution; Capacitive touch screen supports multi-touch gestures
- Interfaces include: USB Hosts, USB Device (USBTMC), LAN (VXI-11/Telnet/Socket), micro SD card, Pass/Fail, Trigger Out, HDMI
- Built-in web server supports remote control over the LAN port using a web browser. Supports SCPI remote control commands. Supports external mouse and keyboard

Super Phosphor Oscilloscope



SDS6000L Series

SDS6208L / SDS6204L (2 GHz)
SDS6108L / SDS6104L (1 GHz)
SDS6058L / SDS6054L (500 MHz)

Features and Benefits:

- 8/4 analog channels + 1 external trigger. Designed for expansion. Combine multiple units for a high-speed acquisition system with up to 512 channels.
- Up to 2 GHz bandwidth with 5 GSa/s (10 GSa/s ESR) sample rate at each channel
- Low background noise, supports 0.5 mV/div to 10 V/div vertical scales
- SPO technology
  - Waveform capture rates up to 170,000 wfm/s (normal mode), and 750,000 wfm/s (sequence mode)
  - Supports 256-level intensity grading and color temperature display modes
  - 500 Mpts Record length in total for all 4 channels
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Dropout, Pattern, Qualified, Nth edge, Setup / hold, Delay and Video (HDTV supported). Zone Trigger simplifies advanced triggering
- Serial bus triggering and decoder, supports protocols I2C, SPI, UART, CAN, LIN, CAN FD, CAN XL, FlexRay, I2S, MIL-STD-1553B, SENT, ARINC429, Manchester etc.
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 80,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- History waveform record (History) function, the maximum recorded waveform length is 80,000 frames
- Automatic measurements on 50+ parameters, supports statistics with histogram, track, trend, Gating measurement, and measurements on Math, History, Memory and Ref
- 8 Math traces (8 Mpts FFT, addition, subtraction, multiplication, division, integration, differential, square root, etc.), supports formula editor
- Abundant data analysis functions such as Search, Navigate, Digital Voltmeter, Counter, Waveform Histogram, Power Analysis and Eye/Jitter Analysis
- 16 digital channels (optional)
- 25 MHz function / arbitrary waveform generator, built-in multiple predefined waveforms
- Interfaces include: 4x USB Hosts, USB Device (USBTMC), 1000M LAN (VXI-11/ Telnet/ Socket), micro SD card, Pass/Fail, Trigger Out, HDMI, 10MHz In, 10MHz Out
- Built-in web server supports remote control over the LAN port using a web browser. Supports SCPI remote control commands. Supports external mouse and keyboard

SDS5000X HD & SDS5000L Series

SDS5108X HD / SDS5108L (1 GHz)
SDS5106X HD / SDS5104X HD (1 GHz)
SDS5058X HD / SDS5058L (500 MHz)
SDS5056X HD / SDS5054X HD (500 MHz)
SDS5038X HD / SDS5038L (350 MHz)
SDS5036X HD / SDS5034X HD (350 MHz)

Features and Benefits:

- 8/6/4 analog channels for SDS5000X HD and 8 channels for SDS5000L
- Up to 1 GHz bandwidth with up to 5 GSa/s sample rate
- 12-bit ADC
- Low noise floor: 140 μVrms @ 1 GHz bandwidth (typical)
- SPO technology
  - Waveform capture rates up to 160,000 wfm/s in normal mode and 650,000 wfm/s in sequence mode
  - Supports 256-level intensity grading and color temperature display modes
  - Up to 2.5 Gpts/ch waveform length
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Dropout, Pattern, Qualified, Nth edge, Setup/hold, Delay and Video (HDTV supported). Zone Trigger simplifies advanced triggering
- Serial bus triggering and decoder, supports protocols including I2C, SPI, UART, CAN, LIN, CAN FD, FlexRay, I2S, MIL-STD-1553B, SENT, Manchester and ARINC429
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 170,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- 8 Math traces (8 Mpts FFT, Filter, addition, subtraction, multiplication, division, integration, differential, square root, etc.), supports formula editor
- Abundant data analysis functions such as Search, Navigate, Digital Voltmeter, Counter, Waveform Histogram, Bode plot, Power Analysis and Double Pulse Test
- High Speed hardware-based Average, Hi-Res; High Speed hardware-based Mask Test function, with Mask Editor tool for creating user-defined masks
- 16 digital channels (only for SDS5000X HD)
- External 50 MHz waveform generator supported
- Large 12.1" TFT-LCD display with 1280 * 800 resolution; Capacitive touch screen supports multi-touch gestures (only for SDS5000X HD)
- Interfaces include: 2x USB Host 3.0 (1x for SDS5000L), USB 2.0 Host, USB 3.0 Device (USBTMC), 1000M LAN, HDMI, External Triger In, Aux Out (Pass/Fail, Trigger Out), 10 MHz In, 10 MHz Out
- Built-in web server supports remote control over the LAN port using a web browser. Support SCPI remote control commands. Support external mouse and keyboard

Super Phosphor Oscilloscope

SDS5000X Series

SDS5104X (1 GHz)
SDS5054X (500 MHz)
SDS5034X (350 MHz)

Features and Benefits:

- 1 GHz, 500 MHz, 350 MHz models with real-time sample rate up to 5 GSa/s
- SPO technology
  - Waveform capture rates up to 110,000 wfm/s (normal mode), and 500,000 wfm/s (sequence mode)
  - Supports 256-level intensity grading and color temperature display modes
  - Record length up to 250 Mpts/ch, 500 Mpts in total for all 4 channels
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Dropout, Pattern, Qualified, Nth edge, Setup/hold, Delay and Video (HDTV supported). Trigger zone helps to simplify advanced triggering
- Serial bus triggering and decoder, supports protocols I2C, SPI, UART, CAN, LIN, CAN FD, CAN XL, FlexRay, I2S, MIL-STD-1553B, SENT, Manchester, SpaceWire and ARINC429
- Low background noise, supports 0.5 mV/div to 10 V/div voltage scales
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 100,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- History waveform record (History) function, the maximum recorded waveform length is 100,000 frames
- Automatic measurement function on 60+ parameters, supports statistics with histogram, trend, Gating measurement, and measurements on Math, History and Ref
- Math function (2 Mpts FFT, addition, subtraction, multiplication, division, integration, differential, square root, etc.), supports formula editor
- Abundant data analysis functions such as Search, Navigate, Digital Voltmeter, Counter, Waveform Histogram, Bode plot and Power Analysis
- High Speed hardware-based Average, ERES (Enhanced Resolution); High Speed hardware-based Mask Test function, with Mask Editor tool for creating user-defined masks
- 16 digital channels with sample rate up to 1.25 GSa/s, record length up to 62.5 Mpts
- 25 MHz function / arbitrary waveform generator, built-in multiple predefined waveforms
- Large 10.1" TFT-LCD display with 1024 * 600 resolution; Capacitive touch screen supports multi-touch gestures
- Multiple interfaces: USB Host, USB Device (USBTMC), LAN (VXI-11, telnet, socket, web), Pass/Fail, Trigger Out, 10 MHz In, 10 MHz Out, VGA output
- Built-in web server supports remote control by the LAN port using a web browser; Supports SCPI remote control commands; Supports external mouse and keyboard

SDS3000X HD Series

SDS3104X HD (1 GHz)
SDS3054X HD (500 MHz)
SDS3034X HD (350 MHz)

Features and Benefits:

- 4 analog channels, up to 1 GHz bandwidth with up to 4 GSa/s sample rate
- 12-bit ADC
- Low background noise: 125 µVrms @ 1 GHz bandwidth
- SPO technology
  - Waveform capture rates up to 200,000 wfm/s in Normal mode and 890,000 wfm/s in Sequence mode
  - Supports 256-level intensity grading and color temperature display modes
  - Up to 400 Mpts/ch record length
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Dropout, Pattern, Qualified, Nth edge, Setup/hold, Delay and Video (HDTV supported). Zone Trigger simplifies advanced triggering
- Serial bus triggering and decoder, supports protocols I2C, SPI, UART, CAN, LIN, CAN FD, CAN XL, FlexRay, I2S, MIL-STD-1553B, SENT, Manchester, ARINC429, SpaceWire, USB2.0 and SPMI
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 80,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- History waveform record (History) function, the maximum recorded waveform length is 80,000 frames
- Automatic measurements on 50+ parameters, supports statistics with histogram, track, trend, Gating measurement, and measurements on Math, History and Memory traces
- 4 Math traces (4 Mpts FFT, Filter, addition, subtraction, multiplication, division, integration, differential, square root, etc.), supports formula editor
- Abundant data analysis functions such as Search, Navigate, Digital Voltmeter, Counter, Waveform Histogram, Bode plot and Power Analysis
- High Speed hardware-based Average, ERES; High Speed hardware-based Mask Test function, with Mask Editor tool for creating user-defined masks
- 16 digital channels
- External 50 MHz waveform generator
- Large 10.1" TFT-LCD display with 1024 * 600 resolution; Capacitive touch screen supports multi-touch gestures
- Interfaces include: 2x USB 3.0 Host, 1x USB 2.0 Host , USB 3.0 Device (USBTMC), 1000M LAN ((VXI-11/Telnet/Socket/LXI)), External Triger In, Aux Out (Pass/Fail, Trigger Out)
- Built-in web server supports remote control over the LAN port using a web browser. Supports SCPI remote control commands. Supports external mouse and keyboard

Super Phosphor Oscilloscope

SDS2000X HD Series

SDS2354X HD (350 MHz)
SDS2204X HD (200 MHz)

Features and Benefits:

- 12-bit High Resolution
  - 12-bit Analog-Digital Convertors with sample rate up to 2 GSa/s
  - Front ends with 70 µVrms noise floor @ 500 MHz bandwidth and 0.5% DC gain accuracy
- 4 analog channels, up to 350 MHz bandwidth (upgradable to 500 MHz)
- SPO technology
  - Waveform capture rate up to 100,000 wfm/s (normal mode), and 500,000 wfm/s (sequence mode)
  - Supports 256-level intensity grading and color temperature display modes
  - Up to 200 Mpts/ch record length
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Dropout, Pattern, Qualified, Nth edge, Setup/hold, Delay and Video (HDTV supported). Zone Trigger simplifies advanced triggering
- Serial bus triggering and decoder, supports protocols I2C, SPI, UART, CAN, LIN, CAN FD, CAN XL, FlexRay, I2S, MIL-STD-1553B, SENT, Manchester, SpaceWire and ARINC429
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 80,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- History waveform record (History) function, the maximum recorded waveform length is 80,000 frames
- Automatic measurements on 50+ parameters, supports statistics with histogram, track, trend, Gating measurement, and measurements on Math, History and Ref
- 4 Math traces (2 Mpts FFT, addition, subtraction, multiplication, division, integration, differential, square root, etc.), supports formula editor
- Abundant data analysis functions such as Search, Navigate, Digital Voltmeter, Counter, Waveform Histogram, Bode plot and Power Analysis
- High Speed hardware-based Average, ERES; High Speed hardware-based Mask Test function, with Mask Editor tool for creating user-defined masks
- 16 digital channels (optional)
- Built-in 25 MHz waveform generator
- Large 10.1" TFT-LCD display with 1024 * 600 resolution; Capacitive touch screen supports multi-touch gestures
- Interfaces include: USB Hosts, USB Device (USBTMC), LAN (VXI-11/Telnet/Socket), Pass/Fail, Trigger Out
- Built-in web server supports remote control over the LAN port using a web browser. Supports SCPI remote control commands. Supports external mouse and keyboard

SDS2000X Plus Series

SDS2354X Plus (350 MHz)
SDS2204X Plus (200 MHz)
SDS2104X Plus / SDS2102X Plus (100 MHz)

Features and Benefits:

- 350 MHz, 200 MHz, 100 MHz models with real-time sample rate up to 2 GSa/s. A 500 MHz bandwidth upgrade option is available for 350 MHz models.
- SPO technology
  - Waveform capture rates up to 120,000 wfm/s (normal mode) and 500,000 wfm/s (sequence mode)
  - Supports 256-level intensity grading and color temperature display modes
  - Record length up to 200 Mpts/ch, 400 Mpts in total for all 4 channels
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Dropout, Pattern and Video (HDTV supported). Trigger zone helps to simplify advanced triggering
- Serial bus triggering and decoder, supports I2C, SPI, UART, CAN, LIN (Standard) and CAN FD, FlexRay, I2S, and MIL-STD-1553B, SENT and Manchester (optional) protocols
- Low background noise, features 0.5 mV/div to 10 V/div voltage scales
- 10-bit mode provides higher resolution and lower noise
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 90,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- History waveform record (History) function for up to 90,000 triggered waveforms (frames)
- Automatic measurement function on 50+ parameters, supports statistics with histogram and trend
- Two Math traces, support 2 Mpts FFT, +, -, x, ÷, d/dt, ∫dt, √, average, ERES, and formula editor
- Abundant data processing and analysis functions such as Search, Navigate, Mask Test, Bode plot, Power Analysis (optional) and Counter
- 16 digital channels (optional)
- Built-in 50 MHz waveform generator (optional)
- Large 10.1" TFT-LCD display with 1024x600 resolution; Capacitive touch screen supports multi-touch gestures
- Multiple interfaces: USB Host, USB Device (USBTMC), LAN(VXI-11/Telnet/Socket), Pass/Fail, Trigger Out
- Built-in web server supports remote control by the LAN port using a web browser; Supports SCPI remote control commands

Super Phosphor Oscilloscope

SDS2000X-E Series

SDS2352X-E (350 MHz)
SDS2202X-E (200 MHz)

Features and Benefits:

- Real-time sampling rate up to 2 GSa/s (1 GSa/s per channel, if both channels active)
- Intelligent trigger: Edge, Slope, Pulse Width, Window, Runt, Interval, Time out (Dropout), Pattern
- Serial bus triggering and decoding (standard), supports protocols IIC, SPI, UART, CAN, LIN
- Video trigger, supports HDTV
- Low background noise with voltage scales from 500 μV/div to 10 V/div
- 10 types of one-button shortcuts, supports Auto Setup, Default, Cursors, Measure, Roll, History, Display/Persist, Clear Sweep, Zoom and Print
- Segmented acquisition (Sequence) mode, divides the maximum record length into multiple segments (up to 80,000), according to trigger conditions set by the user, with a very small dead time segment to capture qualifying events
- History waveform record (history) function (maximum recorded waveform length is 80,000 frames)
- Automatic measurement function for 38 parameters as well as Measurement Statistics, Zoom, Gating, Math, History and Reference functions
- 1 Mpts FFT
- Math and measurement functions use all sampled data points in memory (up to 28 Mpts)
- Preset key can be customized for user settings or factory "defaults"
- Security Erase mode
- High Speed hardware based Pass / Fail function
- Search and navigate
- Large 7 inch TFT -LCD display with 800 * 480 resolution
- Multiple interface types: USB Host, USB Device (USB -TMC), LAN, Pass / Fail, Trigger Out
- Supports SCPI remote control commands
- VXI-11+SCPI, Telnet (port 5024) +SCPI and Socket (port 5025) +SCPI programming over LAN
- Supports web control and virtual instrument control panel for both PC and mobile terminals
- Web control update rate of up-to 10 times/s provides nearly real-time update rate
- Supports Multi-language display and embedded online help

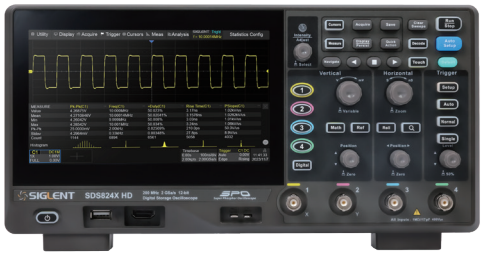
SDS1000X HD Series

SDS1204X HD / SDS1202X HD (200 MHz)
SDS1104X HD / SDS1102X HD (100 MHz)

Features and Benefits:

- 12-bit High Resolution
  - 12-bit Analog-Digital Convertors with sample rate up to 2 GSa/s
  - Front ends with 70 μVrms noise floor @ 200 MHz bandwidth
- 2/4 analog channels, up to 200 MHz bandwidth
- SPO technology
  - Waveform capture rate up to 120,000 wfm/s (normal mode), and 500,000 wfm/s (sequence mode)
  - Supports 256-level intensity grading and color temperature display modes
  - Up to 100 Mpts record length
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video (HDTV supported) , Qualified, Nth edge, Delay, Setup/Hold time.
- Serial bus triggering and decoder, supports protocols I2C, SPI, UART, CAN, LIN, CAN FD(decode only), FlexRay(decode only)
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 80,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- History waveform record (History) function, the maximum recorded waveform length is 80,000 frames
- Automatic measurements on 50+ parameters, supports statistics with histogram, track, trend, Gating measurement, and measurements on Math, History and Ref
- 4 Math traces (2 Mpts FFT, addition, subtraction, multiplication, division, integration, differential, square root, etc.), supports formula editor
- Abundant data analysis functions such as Search, Navigate, Counter, Bode plot and Power Analysis
- High Speed hardware-based Mask Test function, with Mask Editor tool for creating user-defined masks
- 16 digital channels (optional)
- 25 MHz waveform generator(optional)
- Large 10.1" TFT-LCD display with 1024 * 600 resolution; Capacitive touch screen supports multi-touch gestures
- Interfaces include: USB Hosts, USB Device (USBTMC), LAN (VXI-11/Telnet/Socket), Pass/Fail, Trigger Out
- Built-in web server supports remote control over the LAN port using a web browser. Supports SCPI remote control commands. Supports external mouse and keyboard

Super Phosphor Oscilloscope



SDS800X HD Series

SDS824X HD / SDS822X HD (200 MHz)
SDS814X HD / SDS812X HD (100 MHz)
SDS804X HD / SDS802X HD (70 MHz)

Features and Benefits:

- 12-bit High Resolution
  - 12-bit Analog-Digital Convertors with sample rate up to 2 GSa/s
  - Front ends with 70 μVrms noise floor @ 200 MHz bandwidth
- 2/4 analog channels, up to 200 MHz bandwidth
- SPO technology
  - Waveform capture rate up to 120,000 wfm/s (normal mode), and 500,000 wfm/s (sequence mode)
  - Supports 256-level intensity grading and color temperature display modes
  - Up to 100 Mpts record length
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video (HDTV supported) , Qualified, Nth edge, Delay, Setup/Hold time.
- Serial bus triggering and decoder, supports protocols I2C, SPI, UART, CAN, LIN
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 80,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- History waveform record (History) function, the maximum recorded waveform length is 80,000 frames
- Automatic measurements on 50+ parameters, supports statistics with histogram, track, trend, Gating measurement, and measurements on Math, History and Ref
- 4 Math traces (2 Mpts FFT, addition, subtraction, multiplication, division, integration, differential, square root, etc.), supports formula editor
- Abundant data analysis functions such as Search, Navigate, Counter, Bode plot and Power Analysis
- High Speed hardware-based Mask Test function, with Mask Editor tool for creating user-defined masks
- 16 digital channels (optional)
- 25 MHz waveform generator(optional)
- 7" TFT-LCD display with 1024 * 600 resolution; Capacitive touch screen supports multi-touch gestures
- Interfaces include: USB Hosts, USB Device (USBTMC), LAN (VXI-11/Telnet/Socket), Pass/Fail, Trigger Out
- Built-in web server supports remote control over the LAN port using a web browser. Supports SCPI remote control commands. Supports external mouse and keyboard. Supports NTP.

Digital Storage Oscilloscope

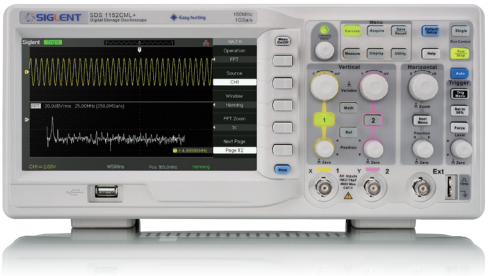
SDS1000X-E Series

SDS1204X-E / SDS1202X-E (200 MHz)
SDS1104X-E (100 MHz)

Features and Benefits:

- Two channel series have one 1 GSa/s ADC, four channel series have two 1 GSa/s ADCs. When all channels are enabled, each channel has a maximum sample rate of 500 MSa/s. When a single channel per ADC is active, it has sampling rate of 1 GSa/s
- The newest generation of SPO technology
  - Waveform capture rate up to 100,000 wfm/s (normal mode), and 400,000 wfm/s (sequence mode)
  - Supports 256-level intensity grading and color display modes
  - Record length up to 14 Mpts
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse Width, Window, Runt, Interval, Time out (Dropout), Pattern
- Serial bus triggering and decoding (Standard), supports protocols IIC, SPI, UART, RS232, CAN, LIN
- Segmented acquisition (Sequence) mode, divides the maximum record length into multiple segments (up to 80,000), according to trigger conditions set by the user, with a very small dead time segment to capture the qualifying event.
- 1 Mpts FFT
- Math and measurement functions use all sampled data points (up to 14 Mpts)
- MSO, 16 digital channels (four channel series only, optional)
- Search and navigate (four channel series only)
- USB AWG module (four channel series only, optional)
- Bode plot (four channel series only)

Digital Storage Oscilloscope



SDS1000DL+ / SDS1000CML+ Series

SDS1152CML+ (150 MHz)
SDS1102CML+ (100 MHz)
SDS1072CML+ (70 MHz)
SDS1052DL+ (50 MHz)

Features and Benefits

- 50 MHz, 70 MHz, 100 MHz, 150 MHz bandwidth models
- Real-time sampling rate up to 1 GSa/s, Equivalent-time sampling rate up to 50 GSa/s
- Memory Depth up to 2 Mpts
- Trigger types: Edge, Pulse, Video, Slope, Alternate
- Waveform math functions:+, -, *, /, FFT
- 6 digits frequency counter
- Supports Multi-language display and embedded online help
- Screensaver from 1 minute to 5 hours
- Digital filter and waveform recorder function
- 7 inch TFT-LCD display with 800 * 480 resolution

Handheld Oscilloscope

SHS1000X/SHS800X Series

SHS1202X (200 MHz)
SHS1102X (100 MHz)
SHS820X (200 MHz)
SHS810X (100 MHz)

Features and Benefits

- 200 MHz, 100 MHz bandwidth models
- Sample rate of 1 GSa/s (single-channel), Sample rate of 500 MSa/s (two-channels)
- The Siglent SPO technology
  - Waveform capture rates up to 100,000 wfm/s (normal mode) and 400,000 wfm/s (sequence mode)
  - Supports 256-level intensity grading and color temperature display modes
  - Record length up to 12 Mpts
  - Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse Width, Window, Runt, Interval, Time out (Dropout), Pattern
- Serial bus triggering and decoding (Standard) for IIC, SPI, UART, CAN, and LIN protocols
- Video trigger/HDTV
- Low background noise with voltage scales from 2 mV/div to 100 V/div
- 3 one-button shortcuts for Oscilloscope, Multimeter and Recorder functions
- 8 one-button shortcuts for: Run/Stop, Auto Setup, Default, Measure, Cursors, Display/Persist, Clear Sweep and Print. More function shortcuts available when combined with the shift button
- Segmented acquisition (Sequence) mode, divides the maximum record length into multiple segments (up to 80,000), according to trigger conditions set by the user, with a very small dead time segment to capture the qualifying event
- History waveform record (History) function (maximum recorded waveform length is 80,000 frames)
- Automatic measurement function for 38 parameters as well as Measurement Statistics, Zoom, Gating, Math, History and Reference functions
- 1 Mpts FFT. Support Peaks and Markers
- Math and measurement functions use all sampled data points (up to 12 Mpts)
- Math functions (FFT, addition, subtraction, multiplication, division, integration, differential, square root)
- Default key can be customized for user settings or factory "defaults"
- Supports Multi-language display and embedded online help
- Security Erase mode
- Search and navigate function
- Includes Recorder mode, including Sample and Measurement Loggers
- 6000 counts Digital Multimeter, Support DCV, ACV, DCI, ACI, Resistance, Diode, Capacitance, Continuity test.
- True RMS AC Voltage/Current measurement multimeter
- 5.6-inch TFT-LCD display with 640 * 480 resolution
- Interface types: Isolated USB Host, USB Device (MicroUSB -TMC)
- Supports SCPI remote control commands
- UL2054 certified lithium battery pack, 6900 mAh capacity, external charger
- IP Rating: IP51
- Compliance with UL61010-1, UL61010-2-030, UL61010-2-033

Arbitrary Waveform Generator

SDG7000A Series

SDG7102A (1 GHz)
SDG7052A (500 MHz)
SDG7032A (350 MHz)

Features and Benefits

- Dual channel differential/single-ended output, 16-bit LVDS/LVTTL digital bus output
- High-performance sampling system with 5 GSa/s sample rate and 14 -bit vertical resolution
- 1 GHz maximum bandwidth
- Generates arbitrary waveform with sample rates of 0.01 Sa/s ~ 2.5 GSa/s, with maximum memory depth of 512 Mpts, and provides segment editing / playback functions
- Generates vector signals with up to 500 MS/s symbol rate
- Generates low jitter pulses with 1 ns minimum pulse width and 500 ps minimum edge
- Up to 1 GHz bandwidth White Gaussian Noise and the bandwidth is adjustable
- Supports PRBS up to 312.5 Mbps
- The digital bus can output digital signals up to 1 Gbps.
- Supports analog/digital modulation, sweeping and bursting
- Enhanced dual channel operation functions: inter channel tracking, coupling and copying; Dual channel superposition function; Supports mutual modulation between channels
- The 24 Vpp analog output is superimposed with ± 12 Vdc offset to provide a maximum output range of ± 24 V (48 V)
- High precision Frequency Counter
- 5-inch capacitive touch screen with resolution of 800x480; Supports external mouse and keyboard operation; Supports WebServer to control the instruments remotely
- Supports multiple interfaces: 10 MHz In, 10 MHz Out, Trigger In/Out, Markers etc
- Supports SCPI command for easy integration into test systems

Function/Arbitrary Waveform Generator

SDG6000X Series

SDG6052X (500 MHz)
SDG6032X (350 MHz)
SDG6022X (200 MHz)

Features and Benefits

- Dual-Channel, 500 MHz maximum bandwidth, 20 Vpp maximum output amplitude, high fidelity output with 80 dB dynamic range
- High-performance sampling system with 2.4 GSa/s sampling rate and 16-bit vertical resolution
- Multi-function signal generator, meeting requirements in wide range, Continuous Wave Generator, Pulse Generator, Function Arbitrary Waveform Generator, IQ Signal Generator (optional), Noise Generator, PRBS Generator
- Sweep and Burst function
- Plenty of analog and digital modulation types: AM, DSB-AM, FM, PM, FSK, ASK, PSK and PWM
- Harmonics function
- Multi-pulse output function can be used to measure the switching parameters of power devices and evaluate its dynamic characteristics
- Supports sequence wave playback function, maximum storage depth per channel 20 Mpts
- Waveform Combining function
- Channel Coupling, Copy and Tracking function
- 196 built-in arbitrary waveforms
- High precision Frequency Counter
- Standard interfaces include: USB Host, USB Device (USBTMC), LAN (VXI-11, Socket, Telnet). Optional Interface: GPIB
- 4.3" touch screen display for easier operation

Function/Arbitrary Waveform Generator

SDG3000X Series

SDG3202X (200 MHz)
SDG3162X (160 MHz)
SDG3082X (80 MHz)

Features and Benefits

- Dual channels, maximum output frequency 200 MHz, maximum output amplitude 20 Vpp
- 1.2 GSa/s sampling rate, 16-bit vertical resolution
- Using TrueArb technology, arbitrary waveforms can be output point by point. Under the premise of not losing waveform details, low-jitter waveforms can be output at a sampling rate of 10 mSa/s ~ 600 MSa/s
- Supports sequence wave playback function, with a maximum waveform memory of 40 Mpts per channel
- Using EasyPulse technology, it can output low-jitter square waves/pulses, and the pulse wave can achieve fine adjustment of pulse width, rising/falling edges, with extremely high adjustment resolution and adjustment range
- Supports dual pulse output function, which can be used to measure the switching parameters of power devices and evaluate their dynamic characteristics
- Supports PRBS up to 120 Mbps
- Rich analog and digital modulation functions: AM, DSB-SC, FM, PM, FSK, ASK, PSK and PWM
- Sweep and Burst functions
- Harmonic function
- Waveform Combining function
- High precision Frequency Counter
- 196 built-in arbitrary waveforms
- Multitone and Chirp generation
- Standard interfaces: USB Host, USB Device (USBTMC), LAN (VXI-11); optional GPIB
- Built-in WebServer supports instrument control via web browser
- 7-inch display touch screen

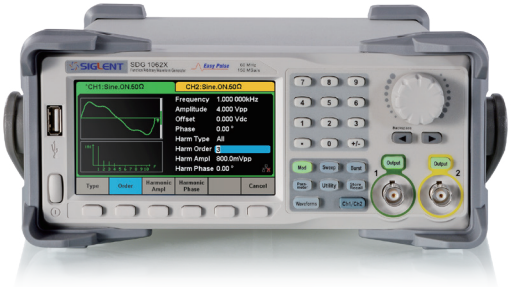
SDG2000X Series

SDG2122X (120 MHz)
SDG2082X (80 MHz)
SDG2042X (40 MHz)

Features and Benefits

- Dual-channel, 120MHz maximum bandwidth, 20Vpp maximum output amplitude, high fidelity output with 80dB dynamic range
- High-performance sampling system with 1.2GSa/s sampling rate and 16-bit vertical resolution. No detail in your waveforms will be lost
- Innovative TrueArb technology, based on a point-by-point architecture, supports any 8pts~8Mpts Arb waveform with a sampling rate in range of 1μSa/s~75MSa/s
- Innovative EasyPulse technology, capable of generating lower jitter Square or Pulse waveforms, brings a wide range and extremely high precision in pulse width and rise/fall times adjustment
- Plenty of analog and digital modulation types: AM, DSB-AM, FM, PM, FSK, ASK, PSK and PWM
- Sweep and Burst function Harmonic function
- 196 built-in arbitrary waveforms High precision Frequency Counter
- Standard interfaces: USB Host, USB Device (USBTMC), LAN (VXI-11)
- Optional interface: GPIB
- 4.3" touch screen display for easier operation

Function/Arbitrary Waveform Generator

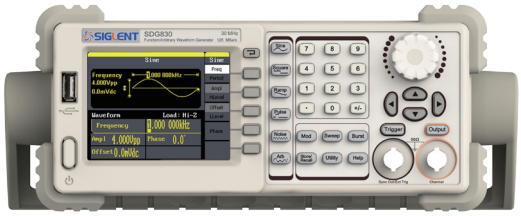


SDG1000X Series

SDG1062X (60 MHz)
SDG1032X (30 MHz)

Features and Benefits

- 150 MSa/s sampling rate, 14-bit vertical resolution, and 16 kpts waveform length
- Innovative TrueArb and EasyPulse technology
- Special circuit for Square wave function, can generate Square waves up to 60 MHz with jitter less than 300 ps+0.05 ppm of period
- Plenty of analog and digital modulation types: AM, DSB-AM, FM, PM, FSK, ASK, PSK and PWM, Sweep and Burst functions
- Waveform Combining function
- High precision Frequency Counter
- Standard interfaces: USB Host, USB Device (USBTMC), LAN (VXI-11)
- Optional interface: GPIB



SDG800 Series

SDG830 (30 MHz)
SDG810 (10 MHz)

Features and Benefits

- Advanced DDS technology, 3.5 inch color TFT-LCD
- 125 MSa/s sampling rate,14 bit vertical resolution,16 Kpts max wave length
- 5 types of standard waveforms, built-in 46 types of arbitrary waveforms, sync signal output, 1 μHz frequency resolution
- Complete modulation functions: AM,DSB-AM, FM, PM, FSK, ASK, PWM, linear/logarithmic sweep and burst
- Innovative EasyPulse technology, can output pulse of low jitter, quick rising/falling edge
- Support USB-TMC protocol and SCPI programming command control
- Arbitrary waveform edit software, provides lots of painting method, capable of edit complicate waveform quickly and precisely

SDG1000X Plus Series

SDG1062X Plus (60 MHz)
SDG1032X Plus (30 MHz)
SDG1022X Plus (25 MHz)

Features and Benefits

- Dual channel, maximum output frequency 60 MHz, maximum output amplitude 20 Vpp
- 1 GSa/s digital-to-analog converter sampling rate,16-bit vertical resolution
- Innovative TrueArb technology, based on a point-by-point architecture, supports any 24pts ~ 8Mpts Arb waveform with a sampling rate in range of 1 μSa/s ~250 MSa/s
- Supports sequence wave playback function, maximum storage depth per channel 8 Mpts
- Multi-pulse output function can be used to measure the switching parameters of power equipment and evaluate its dynamic characteristics
- Supports PRBS up to 40 Mbps
- Plenty of analog and digital modulation types: AM, DSB-AM, FM, PM, FSK, ASK, PSK and PWM
- Sweep and Burst function
- Harmonic function
- Waveform Combining function
- Standard interfaces: USB Host, USB Device (USBTMC), LAN (VXI-11)

Programmable Switching DC Power Supply

SPS6000X Series

SPS6225X (200 V,25 A)
SPS6150X (100 V,50 A)

Features and Benefits

- Rated Voltage: 200 V / 100 V
- Rated Current: 25 A / 50 A
- Rated power: 1500 W
- Wide range of output voltage and current values in a high-efficiency power supply
- CV, CC priority mode selection, better protection of equipment under test
- Load transient recovery time (Load change from 50~100%) < 2.5 ms
- Adjustable voltage and current slew rates
- Setting and readback resolution: 10 mV, 10 mA
- User-enabled internal output discharge circuit to accelerate output voltage reduction
- Remote Sense function to decrease lead resistance error
- Local list function with up to 50 steps, USB import list sequence file
- External analog voltage control. Voltage and current monitoring outputs
- OVP, OCP, LPP, OTP protection
- 3.12-inch OLED high-brightness display with a wide viewing angle of 170 degrees
- Equipped with USB, LAN standard communication interface, optional USB-GPIB module
- 44 mm (1U) height, 19" width for convenient rack mounting
- Embedded Web Server offers remote control through a web browser without the need for drivers or additional software

SPS5000X Series

SPS5161X (160 V, 7.5 A)
SPS5162X (160 V, 15 A)
SPS5163X (160 V, 22.5 A)
SPS5164X (160 V, 7.5 A)
SPS5165X (160 V, 7.5 A)
SPS5051X (50 V, 10 A)
SPS5041X (40 V, 30 A)
SPS5042X (40 V, 60 A)
SPS5043X (40 V, 90 A)
SPS5044X (40 V, 30 A)
SPS5045X (40 V, 30 A)
SPS5081X (80 V, 15 A)
SPS5082X (80 V, 30 A)
SPS5083X (80 V, 45 A)
SPS5084X (80 V, 15 A)
SPS5085X (80 V, 15 A)

Features and Benefits

- Rated Output Voltage: 40 V, 50 V, 80 V, 160 V
- Rated Output Power: 180 W, 360 W, 720 W, 1080 W
- Wide range of output voltage and current, high efficiency power supply
- CV, CC priority mode selection, better protection of equipment under test
- Load transient recovery time (Load change from 50~100%) <1 ms
- Adjustable slew rate of output voltage and current
- Setting and readback resolution: 1 mV, 1 mA
- User enabled internal output discharge circuit to accelerate the down programming of the output voltage
- Remote Voltage Sensing
- List function up to 50 steps; can be created from the front panel or by importing list sequence files from a USB memory device
- External analog voltage and resistor control of voltage or current output
- External voltage and current monitoring output
- OVP, OCP, LPP, OTP protection.
- 2.4-inch OLED high brightness liquid crystal display, 170-degree viewing angle
- Standard Interface: USB, LAN, Analog Control Interface
- Optional Interface: USB-GPIB module
- 1/2, 1/3, 1/6 rack mount size
- Embedded Web Server offers remote control through a web browser without the need for the driver or software

Programmable Linear DC Power Supply

SPD4000X Series

SPD4323X (6 V/3.2 A, 32 V/3.2 A, 32 V/3.2 A, 6 V/3.2 A)
SPD4121X (15 V/1.5 A, 12 V/10 A, 12 V/10 A, 15 V/1.5 A)
SPD4306X (15 V/1.5 A, 30 V/6 A, 30 V/6 A, 15 V/1 A)

Features and Benefits

- Rated voltage: 32 V, 12 V, 30 V; rated output power: 240 W, 285 W, 400 W
- Up to four high-precision power supplies with independent controllable outputs, supporting CH2 and CH3 series and parallel connections
- Clear graphical interface with waveform and timer display modes
- 5-digit voltage and current display with minimum resolution of 1 mV, 1 mA
- Fast output response time: < 50 us
- The high current channel support remote voltage compensation sense function. The maximum compensation voltage is 0.6V
- Overvoltage protection and overcurrent protection or safe and accurate operation
- Equipped with a 4.3-inch TFT-LCD display (480*272 resolution)
- USB and LAN standard communication
- USB-GPIB module is optional
- Excellent channel density with up to 4 channels in a 3U half rack package
- Internal data storage for setups and parameters
- Embedded Web Server with instrument communication that doesn't require software installation
- Fully SCPI programming command set support as well as a LabView driver for remote control and system automation

SPD3303C Series

SPD3303C (10 mv,10 mA)

Features and Benefits

- 3 independent controlled and isolated output: 32 V/3.2 A×2, 2.5 V/3.3 V/ 5 V/3.2 A×1, total power 220 W
- Resolution: 10 mV/10 mA
- Supports panel timing output functions
- LED display; 32 V full scale, 4 digits; 3.2 A full scale, 3 digits
- 100 V/120 V/220 V/230 V compatible design, to meet the needs of different power grids
- Intelligent fan for temperature control, effectively reduces noise
- Five groups of internal system parameter storage. Supports data storage space expansion
- Supports SCPI commands & USB device interface. Includes PC software

SPD3303X Series

SPD3303X-E (10 mv, 10 mA)
SPD3303X (1 mv, 1 mA)

Features and Benefits

- 3 independent controlled and isolated outputs, 32 V/3.2 A×2, 2.5 V/3.3 V/5 V/3.2 A×1, total 220 W
- 5 digits Voltage, 4 digits Current Display, Minimum Resolution: 1 mV/1 mA (SPD3303X)
- Supports front panel timing output functions
- 4.3 inch true color TFT- LCD 480x272 display
- 3 types of output modes: independent, series, parallel
- 100 V/120 V/220 V/230 V compatible design to meet the needs of different power grids
- Intelligent temperature-controlled fan, effectively reducing noise
- Clear graphical interface, with the waveform display function
- Internal 5 groups of system parameter save/recall, supports data storage space expansion
- Provides PC software: Easypower, supports SCPI, LabView driver

SPD1000X Series

SPD1168X (16 V/8 A)
SPD1305X (30 V/5 A)

Features and Benefits

- Single path high-precision programmable voltage output
  16 V/8 A, total power up to 128 W
  30 V/5 A, total power up to 150 W
- Stable, reliable, Low ripple and noise: ≤ 350 uVrms/3 mVpp; < 2 mArms
- Fast transient response time: < 50 μs
- 5 digit Voltage, 4 digit Current Display, Minimum Resolution: 1 mV/1 mA
- Supports front panel timing output functions
- 2.8 inch true color TFT- LCD 240 *320 display
- 2 types of output modes: Two-wire output mode, 4-wire compensation output mode, Maximum compensation voltage 1 V
- 100/120/220/230 V compatible design to meet the needs of different power grids
- Intelligent temperature-controlled fan reduces noise
- Clear graphical interface, with the waveform display function
- Internal 5 groups of system parameter save/recall
- Includes PC software: Easypower, supports SCPI, LabView driver

Source/Measure Unit

SMM3000X Series

SMM3312X (±210V/3.03A/31.8W)
SMM3311X (±210V/3.03A/31.8W)

Features and Benefits

- Five-inch, high resolution capacitive touchscreen GUI
- Source and measurement resolution down to 10 fA and 100 nV
- The maximum display digits: 6½(21,000,00 count)
- The maximum sampling rate is 100ksps, the sampling interval is 0.0005 PLC, and the maximum setting is 100 PLC.
- Minimum trigger interval 10 μs.
- Up to 100k points of internal storage space, supporting timestamps.
- Four-quadrant precision power supply with single/dual-channel output and measurement
- Voltage (±210 V) and current (± 3 A DC and ±10.5 A pulsed) sourcing capability
- Five basic functions: voltage/current sourcing, voltage/current/resistance measurement
- The minimum programmable pulse width is 50 μs.
- With arbitrary waveform generation and list scanning capabilities (minimum interval of 10 μs)
- Supports two-wire/four-wire measurement modes
- Supports SCPI remote control commands
- The function of the output filter
- Configuration Interfaces: USB Device (optional USB-GPIB adapter), USB Host, LAN

Programmable DC Electronic Load

SDL1000X Series

SDL1030X/X-E (300 W)
SDL1020X/X-E (200 W)

Features and Benefits

- SDL1020X (Single channel): DC 150 V/30 A, total power up to 200 W
- SDL1030X (Single channel): DC 150 V/30 A, total power up to 300 W
- 4 static modes / Dynamic mode: CC/CV/CR/CP
- CC Dynamic mode: Continuous, pulsed, toggled
- CC Dynamic mode: 25 kHz, CP Dynamic mode: 12.5 kHz, CV Dynamic mode: 0.5 Hz
- Measuring speed of voltage and current: up to 500 kHz
- Adjustable current rise time range: 0.001 A/us~2.5 A/us
- Min. readback resolution: 0.1 mV, 0.1 mA
- Short-circuit, Battery test, CR-LED mode, and factory test functions
- 4-wire SENSE compensation mode function
- List function supports editing as many as 100 steps
- Program function supports 50 groups of steps
- OCP, OVP, OPP, OTP and LRV protection
- External analog control
- Voltage, Current monitoring via 0-10 V
- 3.5 inch TFT-LCD display, capable of displaying multiple parameters and states simultaneously
- Built-in RS232/USB/LAN communication interface, USB-GPIB module (optional)
- Waveform trend chart and ease-to-use file storage and call functions
- Includes PC software: Supports SCPI, LabView driver

Digital Multimeter

SDM4065A Series

SDM4065A
SDM4065A-SC (with Scanner Card)

Features and Benefits

- 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
- Sample rate up to 50 kSa/s, a maximum of 2M points can be acquired in a single acquisition, and the bandwidth is 10 kHz

* Not for sale in North America.

SDM3065X Series

SDM3065X
SDM3065X-SC (with Scanner Card)

Features and Benefits

- 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, converient and flexble 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 Hlep 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

SDM4055A Series

SDM4055A
SDM4055A-SC (with Scanner Card)

Features and Benefits

- 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

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

SDM3055 Series

SDM3055
SDM3055-SC (with Scanner Card)

Features and Benefits

- 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

SDM3045X Series

SDM3045X

Features and Benefits

- Real 4½ digit (60000 counts) 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 (Optioanal Accessories: USB-GPIB Adapter)
- USB & LAN remote interfaces support common SCPI command set. Compatible with other popular DMMs on the market

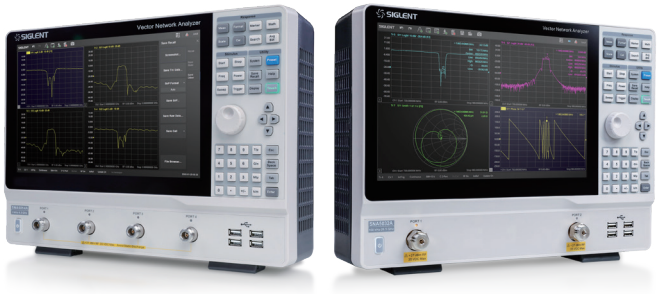
Vector Network Analyzer

SNA6000A Series

SNA6134A (100 kHz~26.5 GHz)
SNA6132A (100 kHz~26.5 GHz)
SNA6034A (100 kHz~26.5 GHz)
SNA6032A (100 kHz~26.5 GHz)
SNA6124A (100 kHz~13.5 GHz)
SNA6122A (100 kHz~13.5 GHz)
SNA6024A (100 kHz~13.5 GHz)
SNA6022A (100 kHz~13.5 GHz)

Features and Benefits:

- Frequency range: 100 kHz ~ 13.5 GHz and 100 kHz ~ 26.5 GHz
- Frequency resolution: 1 Hz
- Level resolution: 0.05 dB
- Range of IFBW: 1 Hz~10 MHz
- Setting range of output level: -55 dBm ~ +10 dBm
- Dynamic range: 135 dB
- Types of calibration: Response calibration, Enhanced Response calibration, Full-one port calibration, Full-two port calibration, Full-three port calibration, Full-four port calibration, TRL calibration
- Types of measurement: Scattering-parameter measurement, differential-parameter measurement, receiver measurement, time-domain parameter analysis, limit test, ripple test, impedance conversion, fixture simulation, adapter removal/insertion, spectrum analysis frequency offset, scalar mixer measurement, pulse measurement, Material Measurement
- Internal Bias-Tee connections
- Interface: LAN, USB Device, USB Host (USB-GPIB)
- Remote control: SCPI/ Labview/ IVI based on USB-TMC / VXI-11 / Socket / Telnet / WebServer
- 12.1-inch touch screen
- Video output: HDMI/DVI-D/DP



SNA5000A Series

SNA5032A (100 kHz~26.5 GHz)
SNA5022A (100 kHz~13.5 GHz)
SNA5014A (9 kHz~8.5 GHz)
SNA5004A (9 kHz~4.5 GHz)
SNA5012A (9 kHz~8.5 GHz)
SNA5002A (9 kHz~4.5 GHz)

Features and Benefits:

- Frequency range: 9 kHz ~ 8.5 GHz and 100 kH z~ 26.5 GHz
- Frequency resolution: 1 Hz
- Level resolution: 0.05 dB
- Range of IFBW: 1 Hz~10 MHz
- Setting range of output level: -55 dBm ~ +10 dBm
- Dynamic range: 125 dB
- Types of calibration: Response calibration, Enhanced Response calibration, Full-one portcalibration, Full-two port calibration, Full-three port calibration, Full-four port calibration, TRL calibration
- Types of measurement: Scattering-parameter measurement, differential-parameter measurement,receiver measurement, time-domain parameter analysis, limit test, ripple test, impedance conversion, fixture simulation, adapter removal/insertion, enhanced time-domain parameter analysis (TDR), spectrum analysis, frequency offset, scalar mixer measurement
- Support Bias-Tees
- Interface: LAN, USB Device, USB Host(USB-GPIB)
- Remote control: SCPI/Labview/IVI based on USB-TMC/VXI-11/Socket/Telnet/ WebServer
- 12.1-inch touch screen
- Video output: HDMI

Vector Network Analyzer

SNA5000X-E Series

SNA5006X-E (9 kHz~6.5 GHz)
SNA5003X-E (9 kHz~3 GHz)

Features and Benefits:

- Frequency range: 9 kHz ~ 6.5 GHz
- Frequency resolution: 1 Hz
- Level resolution: 0.05 dB
- Range of IFBW: 1 Hz~10 MHz
- Setting range of output level: -40 dBm ~ +10 dBm
- Dynamic range: 125 dB (typ.)
- Types of calibration: Response calibration, Enhanced Response calibration, Full-one port calibration, Full-two port calibration, TRL calibration
- Types of measurement: Scattering-parameter measurement, differential-parameter measurement, receiver measurement, time-domain parameter analysis, impedance conversion, fixture simulation, adapter removal/insertion, spectrum analysis
- Internal Bias-Tee connections
- Interface: LAN, USB Device, USB Host (USB-GPIB)
- Remote control: SCPI/ Labview/ IVI based on USB-TMC / VXI-11 / Socket / Telnet / WebServer
- 12.1-inch touch screen
- Video output: HDMI

Portable Vector Network Analyzer

SHN900A Series

SHN926A (30 kHz~26.5 GHz)
SHN920A (30 kHz~20 GHz)
SHN914A (30 kHz~14 GHz)

Features and Benefits:

- Standard VNA and CAT mode, optional SA mode
- Frequency range: 30 kHz - 26.5 GHz
- Frequency resolution: 1 Hz
- Level resolution: 0.05 dB
- Range of IFBW: 10 Hz~3 MHz
- Setting range of output level: -45 dBm ~ +10 dBm
- Dynamic range: 110 dB (typ.)
- Types of calibration: Response calibration, Enhanced Response calibration, Full-one port calibration, Full-two port calibration, TRL calibration
- Types of measurement: Scattering-parameter measurement, differential-parameter measurement, receiver measurement, time-domain parameter analysis, limit test, ripple test, impedance conversion, fixture simulation, adapter removal/insertion, spectrum analysis frequency offset, scalar mixer measurement, pulse measurement
- Internal Bias-Tee connections
- Support GPS, Time and Location Information Saving
- Interface: LAN, USB Device, USB Host (USB-GPIB)
- Remote control: SCPI/ Labview/ IVI based on USB-TMC / VXI-11 / Socket / Telnet / WebServer
- 8.4-inch touch screen, Mouse, Keyboard
- Typical working time 4 hours, 3.2 kg net weight

Switch Matrix

SSM5000A Series

SSM5342A (100 kHz~26.5 GHz)
SSM5321A (100 kHz~26.5 GHz)
SSM5144A (9 kHz~9 GHz)　SSM5124A (9 kHz~9 GHz)
SSM5142A (9 kHz~9 GHz)　SSM5122A (9 kHz~9 GHz)

Features and Benefits:

- Characteristic impedance: 50 Ω
- Highest frequency: 9 GHz (or 26.5 GHz)
- Maximum number of input ports: 4
- Maximum number of output ports: 24
- RF connector: 3.5 mm female
- Maximum input power: 20 dBm
- Maximum input DC voltage: 35 V
- Interface: LAN, USB Device, Direct Control (in), Direct Control (out) Screen size: 2.4-inch

Mechanical Switch

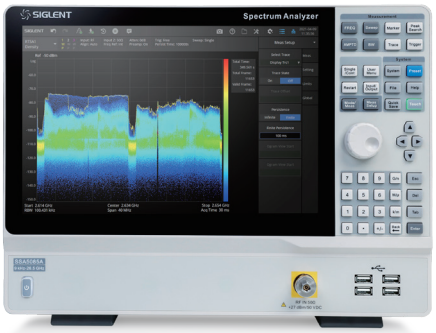
SSU5000A Series

SSU5504A (DC~50 GHz)　SSU5184A (DC~18 GHz)
SSU5503A (DC~50 GHz)　SSU5183A (DC~18 GHz)
SSU5502A (DC~50 GHz)　SSU5182A (DC~18 GHz)
SSU5501A (DC~50 GHz)　SSU5181A (DC~18 GHz)
SSU5266A (DC~26.5 GHz)
SSU5265A (DC~26.5 GHz)
SSU5264A (DC~26.5 GHz)
SSU5263A (DC~26.5 GHz)
SSU5262A (DC~26.5 GHz)
SSU5261A (DC~26.5 GHz)

Features and Benefits:

- Maximum frequency: 18 GHz/ 26.5 GHz/ 50 GHz
- 1 to 4 SPDT switches or 1 to 2 SP6T switch configurations
- SCPI Controllable via VISA and EasySSU software
- USB Connectivity
- Size: WxHxD=153x62.4x137.5 mm
- RF connector: SMA female or 2.4 mm female

Spectrum Analyzer



SSA5000A Series

SSA5085A (9 kHz~26.5 GHz)
SSA5083A (9 kHz~13.6 GHz)

Features and Benefits:

- Spectrum Analyzer Frequency Range from 9 kHz up to 13.6 GHz/26.5 GHz
- -165 dBm/Hz Displayed Average Noise Level (Typ.)
- -105 dBc/Hz@1 GHz,10 kHz offset SSB Phase Noise (Typ.)
- 25 MHz/40 MHz Analysis Bandwidth
- 100% POI 7.20 μs, Dynamic Range 60 dB, Multi-view for Density, Spectrogram and PvT
- Channel power, ACPR, OBW, Harmonic, TOI measurement etc.
- Analog Modulation Analysis and Vector Digital Modulation Analysis
- 12.1 inch Multi-Touch Screen, HDMI output
- Web Browser Remote Control on PC and Mobile Terminals and File Operation

SSA3000X Plus Series

SSA3075X Plus (9 kHz~7.5 GHz)
SSA3032X Plus (9 kHz~3.2 GHz)
SSA3021X Plus (9 kHz~2.1 GHz)
SSA3015X Plus (9 kHz~1.5 GHz)

Features and Benefits:

- -165 dBm/Hz Displayed Average Noise Level (Typ.)
- -98 dBc/Hz.@10 kHz Offset Phase Noise (1 GHz, Typ.)
- Level Measurement Uncertainty < 0.7 dB (Typ.)
- 1 Hz Minimum Resolution Bandwidth (RBW)
- Preamplifier Standard
- Tracking Generator
- Analog and Digital Signal Modulation Analysis Mode (Opt.)
- EMI Filter and Quasi-Peak Detector Kit(Opt.)
- 10.1 Inch Multi-Touch Screen , Mouse and Keyboard supported
- Web Browser Remote Control on PC and Mobile Terminals and File Operation

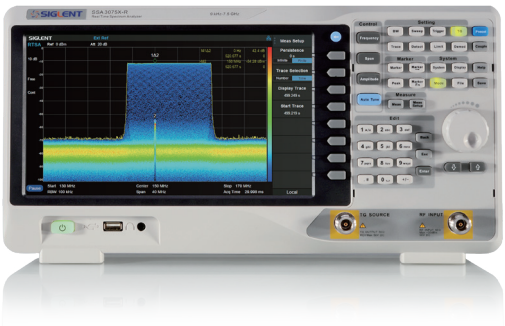
Spectrum Analyzer

SSA3000X Series

SSA3032X (9 kHz~3.2 GHz)
SSA3021X (9 kHz~2.1 GHz)

Features and Benefits:

- -161 dBm/Hz Displayed Average Noise Level (Typ.)
- -98 dBc/Hz @10 kHz Offset Phase Noise (1 GHz, Typ.)
- Total Amplitude Accuracy < 0.7 dB
- 1 Hz Minimum Resolution Bandwidth (RBW)
- Preamplifier Standard
- Up to 3.2 GHz Tracking Generator (Standard)
- Reflection Measurement Kit (Opt.)
- Advanced Measurement Kit (Opt.)
- EMI Pre-compliance Measurements Kit (Opt.)
- 10.1 Inch WVGA (1024x600) Display



SSA3000X-R Series

SSA3075X-R (9 kHz~7.5 GHz)
SSA3050X-R (9 kHz~5.0 GHz)
SSA3032X-R (9 kHz~3.2 GHz)

Features and Benefits:

- -165 dBm/Hz Displayed Average Noise Level (Typ.)
- -98 dBc/Hz.@10 kHz Offset Phase Noise (1 GHz, Typ.)
- Level Measurement Uncertainty < 0.7 dB (Typ.)
- Preamplifier Standard
- Tracking Generator Standard
- Up to 40 MHz Real Time Analysis Bandwidth
- 100% POI 7.20 µs, Dynamic Range 60 dB
- Multi-view for Density, Spectrogram, PvT, and multi trigger and FMT
- Modulation Analysis up to 40 MHz BW (Opt.)
- EMI Filter and Quasi-Peak Detector Kit(Opt.)
- 10.1 inch Multi-Touch Screen , Mouse and Keyboard supported
- Web Browser Remote Control on PC and Mobile Terminals and File Operation

Spectrum & Vector Network Analyzer

SVA1000X Series

SVA1075X (9 kHz~7.5 GHz)
SVA1032X (9 kHz~3.2 GHz)
SVA1015X (9 kHz~1.5 GHz)

Features and Benefits:

- Vector Network Analyzer Frequency Range from 100 kHz up to 7.5 GHz
- -165 dBm/Hz Displayed Average Noise Level (Typ.)
- -98 dBc/Hz.@10 kHz Offset Phase Noise (1 GHz, Typ.)
- Level Measurement Uncertainty < 0.7 dB (Typ.)
- 1 Hz Minimum Resolution Bandwidth (RBW)
- Preamplifier Standard
- Tracking Generator Standard
- Distance To Fault (Opt.)
- Analog and Digital Signal Modulation Analysis Mode (Opt.)
- EMI Filter and Quasi-Peak Detector Kit(Opt.)
- Advanced Measurement Kit (Opt.)
- 10.1 Inch Multi-Touch Screen , Mouse and Keyboard supported
- Web Browser Remote Control on PC and Mobile Terminals and File Operation

Portable Signal Analyzer

SHA860A Series

SHA862A (9 kHz~7.5 GHz)
SHA861A (9 kHz~3.6 GHz)

Features and Benefits:

- Frequency Range 9 kHz~3.6/7.5 GHz, 5 kHz usable
- Displayed Average Noise Level (DANL) -165 dBm/Hz
- SSB Phase Noise -104 dBc/Hz.@1 GHz, 10 kHz offset
- Analysis Bandwidth 40/110 MHz
- 5G NR OTA Measurement, multi-PCI and multi-beam analysis
- LTE FDD and TDD OTA Measurement, multi-PCI analysis
- Channel Power, Occupied Bandwidth, Adjacent Channel Power, SHI and TOI etc.
- IQ Data Acquisition in 110 MHz Band Width
- Real-Time Spectrum Analysis in 110 MHz Band Width, 100% POI time 3.51 μs
- Pulse Profile Measurements
- Indoor and outdoor map for Coverage Mapping
- Trace Recording/Playback with GNSS location
- AM/FM/PM Analog Modulation Analysis, and ASK/FSK/PSK/MSK/QAM Digital Modulation Analysis
- AM/FM/PM Analog Modulation Audio Tune & Listening
- Field Strength (EMF) Measurements and EMI Measurements
- Independent Source to 7.5 GHz
- Vector Network Analyzer, 1-Path 2-Ports S11 and S21 Network Analysis, S11 directionality 40 dB, S21 dynamic 114 dB
- Cable and Antenna Test, Distance To Fault and Time Domain Analysis
- TTA test, bias out 12V to 32V DC
- Chargeable Battery working time 2.5 hours, 3.2 kg net weight
- 8.4 Inch Multi-Touch Screen, mouse and keyboard supported

SHA850A Series

SHA852A (9 kHz~7.5 GHz)
SHA851A (9 kHz~3.6 GHz)

Features and Benefits:

- Spectrum Analyzer Frequency Range from 9 kHz up to 7.5 GHz, -165 dBm/Hz Displayed Average Noise Level (Typ.), -104 dBc/Hz.@10 kHz Offset Phase Noise (1 GHz, Typ.), 1 Hz up to 3 MHz Resolution Bandwidth (RBW), Preamplifier and independent signal source up to 7.5 GHz, GPS positioning and logging
- Cable and Antenna Test Frequency Range from 100 kHz up to 7.5 GHz, Distance To Fault and Time Domain Analysis
- Optional Vector Network Analyzer, Bias out up to 32VDC
- Optional Analog and Digital Modulation Analysis, IQ Data Acquisition, Indoor and outdoor map
- Typical working time 4 hours, 3.2 kg net weight, 8.4 Inch Multi-Touch Screen , Mouse and Keyboard supported

RF Signal Generator

SSG6000A Series

SSG6087A (CW MODE 100 kHz ~ 40 GHz)
SSG6085A (CW MODE 100 kHz ~ 20 GHz)
SSG6083A (CW MODE 100 kHz ~ 13.6 GHz)

Features and Benefits

- Frequency up to 13.6 GHz/ 20 GHz/ 40GHz
- 0.001 Hz frequency setting resolution
- Level setting range: -130 dBm ~ 24 dBm
- Phase Noise: -135 dBc / Hz @ 1 GHz, 20 kHz offset (typ.)
- Level error ≤ 0.7 dB (typ.)
- Provides AM/PM/FM analog modulation with internal, external or Int+Ext source
- Single pulse, double pulse and pulse train generator (option)
- The power meter control kit can easily use the power meter to measure power, control power output and correct line loss 5 inch TFT capacitive touch screen, mouse and keyboard supported
- Web browser remote control on PC and mobile terminals
- Standard interface includes USB Host, USB Device (USB TMC), LAN (VXI-11, Socket, Telnet). Optional interface: GPIB
- Standard OCXO and step attenuator (0 to 110 dB, 10 dB step)

SSG5000A Series

SSG5085A (CW MODE 9 kHz ~ 20 GHz)
SSG5083A (CW MODE 9 kHz ~ 13.6 GHz)

Features and Benefits

- Frequency up to 13.6 GHz / 20 GHz
- 0.001 Hz frequency setting resolution
- Level setting range: -130 dBm ~ 25 dBm
- Phase Noise: -120 dBc / Hz @ 1 GHz, 20 kHz offset (typ.)
- Level error ≤ 0.7 dB (typ.)
- Provides AM, FM, PM analog modulation with internal, external or Int+Ext source
- Single pulse, double pulse and pulse train generator (option)
- The power meter control kit can easily use the power meter to measure power, control power output and correct line loss
- 5 inch TFT capacitive touch screen, mouse and keyboard supported
- Web browser remote control on PC and mobile terminals
- Standard interface includes USB Host, USB Device (USB TMC), LAN (VXI-11, Socket, Telnet). Optional interface: GPIB

SSG6082A-V

SSG6082A-V
(CW MODE 9 kHz~8 GHz/IQ MODE 10 MHz~8 GHz)

Features and Benefits

- Highest Frequency: 8 GHz
- Output Frequency Resolution: Up to 0.001 Hz
- Level Setting Range: -140 dBm to 30 dBm
- Phase Noise: < -132 dBc/Hz @ 1 GHz, offset 10 kHz (typical value)
- Amplitude Accuracy: ≤ 0.7 dB (typical value)
- Modulation Support: Supports AM/FM/PM analog modulation, internal and external modulation options.
- Pulse Modulation: Supports pulse modulation function, pulse train generator, and user-defined pulse sequences (optional).
- General Modulation: Capable of real-time output of QAM, FSK, ASK, PSK, multi-tone, and various other modulated signals. Supports playback of waveform files and sequences.
- Support waveform file playback: waveform sequence generation and playback.
- Communication Protocol Signals: Supports generation of common communication protocol signals such as 5G NR, WLAN, LTE, BLUETOOTH, IOT, etc., when used with SigIQPro software.
- MIMO and Other Applications: Supports MIMO and various other application scenarios.
- Real-time IQ Baseband AWGN: Supports real-time IQ baseband AWGN, allowing accurate control of signal and noise power, simplifying additional measurements and calculations required for receiver measurements.
- Power Meter Control Kit: Facilitates power measurement, control of power output, and line loss correction using a power meter.
- Vector Mode S-Parameter Compensation: Supports S-parameter compensation in vector mode to optimize the broadband characteristics of the test system.
- Web Remote Control: Supports web remote control for convenient remote operation by users.

RF Signal Generator

SSG5000X Series

SSG5060X (CW MODE 9 kHz ~ 6 GHz)
SSG5040X (CW MODE 9 kHz ~ 4 GHz)
SSG5060X-V (CW MODE 9 kHz ~ 6 GHz / IQ MODE 10 MHz ~ 6 GHz)
SSG5040X-V (CW MODE 9 kHz ~ 4 GHz / IQ MODE 10 MHz ~ 4 GHz)

Features and Benefits

- Frequency up to 4 GHz/6 GHz
- 0.001 Hz frequency setting resolution
- High output power up to +26 dBm (typ.)
- Phase Noise: -120 dBc/ Hz @ 1 GHz, 20 kHz offset (typ.)
- User flatness correction with power sensor to correct the cable loss
- Provides AM, FM, PM analog modulation with internal, external or Int+Ext source
- Single pulse, double pulse and Pulse train generator (option)
- Internal IQ modulation with 150 MHz modulation bandwidth with perfect in-factory calibration
- Internal include some digital communication stand file such as 5G-NR, LTE, WCDMA, WLAN, and playback them
- Internal Custom mode generate common IQ signal such as QAM, FSK, ASK, MSK
- Analog differential I/Q outputs
- External analog I/Q input
- USB-power meter measurement
- 5inch TFT capacitive touch screen, mouse and keyboard supported
- Web browser remote control on PC and mobile terminals
- Standard interface included USB Host, USB Device (USB TMC), LAN (VXI-11, Socket, Telnet). Optional interface: GPIB

SSG3000X Series

SSG3032X (CW MODE 9 kHz~3.2 GHz)
SSG3021X (CW MODE 9 kHz~2.1 GHz)
SSG3032X-IQE (IQ MODE 10 MHz~3.2 GHz)
SSG3021X-IQE (IQ MODE 10 MHz~2.1 GHz)

Features and Benefits

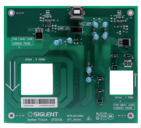
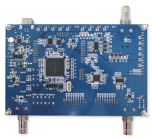
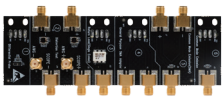
- 0.01 Hz frequency setting resolution
- Level output from -110 dBm to +13 dBm
- Maximum level up to +20 dBm (typ.)
- Phase Noise: -110 dBc/ Hz @ 1 GHz , 20 kHz offset (typ.)
- Level accuracy ≤0.7 dB (typ.)
- Provides AM, FM, &PM analog modulation with internal, external or Int+Ext source
- Pulse modulation, on/off ratio ≥70 dBc
- Pulse train generator (option)
- External IQ modulation with SDG6000X as the baseband IQ signal
- USB-power meter measurement
- 5 inch TFT capacitive touch screen, mouse and keyboard supported
- Web browser remote control on PC and mobile terminals
- Standard interface include USB Host, USB Device (USB TMC), LAN (VXI-11, Socket, Telnet). Optional interface: GPIB

Probes and Accessories

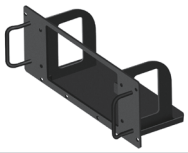
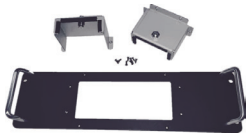
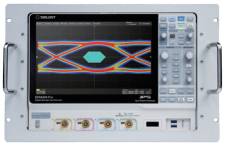
Type	Model	Picture	Specifications
Passive Probe	PB470 PP510 PP215		PB470, 70 MHz bandwidth PP510, 100 MHz bandwidth PP215, 200 MHz bandwidth 1 X/10 X decay, 1 M/10 Mohm, 300 V/600 V
	PB925		10X CAT II 1000 V, CAT III 600 V, 250 MHz-bandwidth, SHS1000 handheld oscilloscope option
Active Probe	SAP1000		Active Probe, 1 GHz
	SAP2500		Active Probe, 2.5 GHz
	SAP2500D		Differential Active Probe, 2.5 GHz
	SAP5000D		Differential Active Probe, 5 GHz
	SAP4000P		4 GHz power rail probe; low frequency resistance 20 kΩ; high frequency resistance 50 Ω; offset voltage range ±24 V; attenuation ratio 1.1:1; dynamic range ±600 mV
Current Probe	CPL5100		Bandwidth: DC-600 kHz ; Current Range: L (50 mA~10 A Peak), H(1 A~100 A Peak); Attenuation accuracy L (0.1 V/A), H (0.01 V/A); Typical DC precision: L (3%±50 mA), H(500 mA~40 A Peak : 4%±50 mA; 4 0A~100 A Peak : ±15% Maximum); Rise Time: ≤583 ns; Operating voltage RMS: CATI 600 V CATII 600 V CATIII 300 V; 9 V alkaline layer-built battery/ 15H
	CP4020		Bandwidth: 100 kHz; Maximum continuous current 20 Arms; Peak current 60 A; Switching ratio: 50 m /A; 5 mV/A; DC measurement accuracy: 50 mV/A (0.4 A-10 ApK) ± 2%; 5 mV/A (1 A-60 ApK)±2%; 9 V Adapter
	CP4050		Bandwidth: 1 MHz; Maximum continuous current 50 Arms; Peak current 140 A; Switching ratio: 500 mV/A; 50 mV/A; DC measurement accuracy: 500 mV/A (20 mA-14 ApK) ±3%±20 mA; 50 mV/A (200 mA-100 ApK)±4%± 200 mA; 50 mV/A (100 A-140 ApK)±15% max; 9 V Adapter
	CP4070		Bandwidth: 150 KHz; Maximum continuous current 70 Arms; Peak current 200 A; Switching ratio: 50 mV/A; 5 mV/A; DC measurement accuracy: 50 mV/A(0.4A-10ApK)±2%; 5 mV/A (1 A-200 ApK)±2%; 9 V Adapter
	CP4070A		Bandwidth: 300 kHz; Maximum continuous current 70 Arms; Peak current 200 A;Switching ratio：100 mV/A;10 mV/A; DC measurement accuracy：100 mV/A (50 mA-10 ApK) ±3%±50 mA; 10 mV/A (500 mA-40 ApK) ±4%±50 mA; 10 mV/A (40 A-200 ApK) ±15% max; 9 V Adapter

Type	Model	Picture	Specifications
Current Probe	CP6030		Bandwidth: 50 MHz; Maximum continuous current 30 Arms; Peak current 50 A; Switching ratio: 5 A/30 A; Accuracy: 5 A(±1%±1 mA); 30 A(±1%±10 mA); Standard DC12 V/1 A power adapter
	CP6030A		Bandwidth: 100 MHz; Maximum continuous current 30 Arms; Peak current 50 A; Switching ratio: 5 A/30 A; Accuracy: 5 A(±1%±1 mA); 30 A(±1%±10 mA); Standard DC12 V/1 A power adapter
	CP6150		Bandwidth: 12 MHz; Maximum continuous current 150 Arms; Peak current 300 A; Switching ratio: 30 A/150 A; Accuracy: 30 A(±1%±10 mA); 150 A(±1%±100 mA); Standard DC12 V/1 A power adapter
	CP6500		Bandwidth: 5 MHz; Maximum continuous current 500 Arms; Peak current 750 A; Switching ratio: 75 A/500 A; Accuracy: 75 A(±1%±10 mA); 500 A(±1%±100 mA); Standard DC12 V/1 A power adapter
	SCP5030		Bandwidth: 50 MHz; Maximum continuous current 30 Arms; Peak current 50 A; Switching ratio: 5 A/30 A; Accuracy: 5 A(±1%±1 mA); 30 A(±1%±10 mA); Powered by oscilloscope via SAPBUS
	SCP5030A		Bandwidth: 100 MHz; Maximum continuous current 30 Arms; Peak current 50 A; Switching ratio: 5 A/30 A; Accuracy: 5 A(±1%±1 mA); 30 A(±1%±10 mA); Powered by oscilloscope via SAPBUS
	SCP5150		Bandwidth: 12 MHz; Maximum continuous current 150 Arms; Peak current 300 A; Switching ratio: 30 A/150 A; Accuracy: 30 A(±1%±10 mA); 150 A(±1%±100 mA); Powered by oscilloscope via SAPBUS
	SCP5500		Bandwidth: 2 MHz; Maximum continuous current 500 Arms; Peak current 750 A; Switching ratio: 75 A/500 A; Accuracy: 75 A(±1%±10 mA); 500 A(±1%±100 mA); Powered by oscilloscope via SAPBUS
	CP6030		Bandwidth: 50 MHz; Maximum continuous current 30 Arms; Peak current 50 A; Switching ratio: 5 A/30 A; Accuracy: 5 A(±1%±1 mA); 30 A(±1%±10 mA); Standard DC12 V/1 A power adapter
	CP6030A		Bandwidth: 100 MHz; Maximum continuous current 30 Arms; Peak current 50 A; Switching ratio: 5 A/30 A; Accuracy: 5 A(±1%±1 mA); 30 A(±1%±10 mA); Standard DC12 V/1 A power adapter
	CP6150		Bandwidth: 12 MHz; Maximum continuous current 150 Arms; Peak current 300 A; Switching ratio: 30 A/150 A; Accuracy: 30 A(±1%±10 mA); 150 A(±1%±100 mA); Standard DC12 V/1 A power adapter
	CP6500		Bandwidth: 5 MHz; Maximum continuous current 500 Arms; Peak current 750 A; Switching ratio: 75 A/500 A; Accuracy: 75 A(±1%±10 mA); 500 A(±1%±100 mA); Standard DC12 V/1 A power adapter
High Voltage Probe	HPB4010		Bandwidth: 40 MHz; Maximum input differential voltage DC: 10 kV; AC(rms): 7 kV(sine); AC(Vpp): 20 kV(Pulse); attenuation ratio1: 1000; Accuracy: ≤3%

Type	Model	Picture	Specifications
Logic Probe	SPL2016		Logic Probe, 16-channel, 500 MSa/s
Optical Isolated Voltage Probe	ODP6050B		Bandwidth: 500 MHz, 50X, Max. Differential Test Voltage (DC + Peak AC) +/-25 V, Isolated Voltage +/-60 kV, DC 5 V adapter or 7.4 V battery Power supply, Standard 50X/1000X/2000X/5000X attenuator. Option 5X/10X/20X/50X/100X/200X/500X attenuator.
	ODP6100B		Bandwidth: 1 GHz, 50X, Max. Differential Test Voltage (DC + Peak AC) +/-25 V, Isolated Voltage +/-60 kV, DC 5 V adapter or 7.4 V battery Power supply, Standard 50X/1000X/2000X/5000X attenuator. Option 5X/10X/20X/50X/100X/200X/500X attenuator.
High Voltage Differential Probe	DPB1300		Bandwidth: 50 MHz; Rise Time ≤7 ns; DC Accuracy ±2%; Max Input: 600 V CATIII, 1000 V CATII; Max Differential Test Voltage (DC + Peak AC): 50 X: ±130 V, 500 X: ±1300 V. Input impedance/capacitance: 5 MΩ/<4 pF(Single-ended), 10 MΩ/< 2 pF(Two inputs); DC 12 V/1.2 A Power
	DPB4080		Bandwidth: 50 MHz; Maximum input differential voltage 800 V (DC + Peak AC); Range selection (attenuation ratio):10 X/100 X; Accuracy: ±1%; Standard DC 9 V/1 A power adapter
	DPB5150		Bandwidth: 70 MHz; Maximum input differential voltage 1500 V (DC + Peak AC); Range selection (attenuation ratio): 50 X/500 X; Accuracy: ±2%; Standard 5 V/1 A USB power adapter
	DPB5150A		Bandwidth: 100 MHz; Maximum input differential voltage 1500 V (DC + Peak AC); Range selection (attenuation ratio): 50 X/500 X; Accuracy: ±2%; Standard 5 V/1 A USB power adapter
	DPB5700		Bandwidth: 70 MHz; Maximum input differential voltage 7000 V (DC + Peak AC); Range selection (attenuation ratio): 100 X/1000 X; Accuracy: ±2%; Standard 5 V/1 A USB power adapter
	DPB5700A		Bandwidth: 100 MHz; Maximum input differential voltage 7000 V (DC + Peak AC);Range selection (attenuation ratio): 100 X/1000 X; Accuracy: ±2%; Standard 5 V/1 A USB power adapter
	SDP6150A		Bandwidth: 100 MHz, 50X/500X, Max. Differential Test Voltage (DC + Peak AC) ±1500 V, CATIII 600 V/CATII 1000 V, DC 5 V Power supply, for Siglent SAPBus oscilloscopes
	SDP6150D		Bandwidth: 400 MHz, 100X/1000X, Max. Differential Test Voltage (DC + Peak AC) ±1500 V, CATIII 600 V/CATII 1000 V, DC 5 V Power supply, for Siglent SAPBus oscilloscopes
	DPB6150A		Bandwidth: 100 MHz, 50X/500X, Max. Differential Test Voltage (DC + Peak AC) ±1500 V, 1000 V CAT III/ 600 V CAT IV, powered by USB-C and connects to any BNC oscilloscope
	DPB6150D		Bandwidth: 400 MHz, 100X/1000X, Max. Differential Test Voltage (DC + Peak AC) ±1500 V, 1000 V CAT III/ 600 V CAT IV, powered by USB-C and connects to any BNC oscilloscope

Type	Model	Picture	Specifications
USB AWG Module	SAG1021I		Frequency is determined by oscilloscope. Isolated USB function/arbitrary waveform generator, 125 Msa/s, 16 kpts Arb Wave Length, Insulation Voltage, ±42 Vpk(Hardware)
Carry Bag	BAG-H2		Soft Carry Case for SHA860A, SHA850A, SHN900A
	BAG-S1		Soft Carry Case for SDS1000DL+/CML+, SDS1000X, SDS1000X-E, SDS2000X-E Series
	BAG-S2		Soft Carry Case for SDS2000X, SDS2000X Plus, SDS2000X HD, SDS5000X HD, SDS5000L, SDS5000X, SSA3000X, SSA3000X Plus, SVA1000X, SSA3000X-R
Logic Analyzer	SLA1016		MSO function hardware for SDS2000X-E oscilloscope, 16-channel, 500 MSa/s, 14 Mpts
Near-Field Probe	SRF5030T		Three magnetic field near-field probes and one electric field near field probe; Frequency range: 30 MHz~3 GHz; resolution 25 mm; distinguished within 10 cm range of the magnetic field; for EMI radiation interference and the intensity detector
Deskew Fixture	DF2001A		Deskew fixture for voltage and current probes
GPIB	USB-GPIB		USB-GPIB Adapter, USB Device expanded into GPIB interface
Isolated Front End	ISFE		USB 5V power supply, plug and play, the maximum input voltage 600Vp-p, floating test. Work with oscilloscopes
STB Test board	STB-3		For experimental teaching and product demos
Test fixture	FX-USB2		USB 2.0 test fixture
	FX-ETH		100Base-TX & 1000Base-T compliance test fixture
	FX-AMETH		100Base-T1 & 1000Base-T1 compliance test fixture

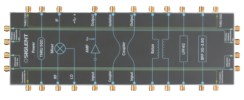
Type	Model	Picture	Specifications
RF Cable	N-BNC-2L		N (Male) – BNC (Male), DC ~ 2 GHz, length 700 mm
	N-N-6L		N (Male) – N (Male), DC ~ 6 GHz, length 700 mm
	N-N-18L		N (Male) – N (Male), DC ~ 18 GHz, length 1000 mm
	N-SMA-6L		N (Male) – SMA (Male), DC ~ 6 GHz, length 700 mm
	N-SMA-18L		N (Male) – SMA (Male), DC ~ 18 GHz, length 1000 mm
	SMA-SMA-18L		SMA (Male) – SMA (Male), DC ~ 18 GHz, length 1000 mm
	SMA-SMA-26L		SMA (Male) – SMA (Male), DC ~ 26.5 GHz, length 1000 mm
	SMAF-SMA-26L		SMA (Male) – SMA (Female), DC ~ 26.5 GHz, length 1000 mm
	V26-N35MN35F-25IN		NMD 3.5 mm (Female) – NMD 3.5 mm (Male), DC ~ 26.5 GHz, length 635 mm
	V26-N35FA35F-25IN		NMD 3.5 mm (Female) – APC 3.5 mm (Female), DC ~ 26.5 GHz, length 635 mm
	V50-N24MN24F-25IN		NMD 2.4 mm (Female) – NMD 2.4 mm (Male), DC ~ 50 GHz, length 635 mm
	V50-N24FA24F-25IN		NMD 2.4 mm (Female) – APC 2.4 mm (Female), DC ~ 50 GHz, length 635 mm
	S06-NMSF-1M		N (Male) – SMA (Female), DC ~ 6 GHz, length 1000 mm
	S18-NMSF-1M		N (Male) – SMA (Female), DC ~ 18 GHz, length 1000 mm
	S40-29M29F-1M		2.92 mm (Male) – 2.92 mm (Female), DC ~ 40 GHz, length 1000 mm
Adaptor	2.92F-2.92F-40A		2.92 mm (Female) – 2.92 mm (Female), DC ~ 40 GHz

Type	Model	Picture	Specifications
Rack Mount	SDG-2-RMK		Rackmount kit for two intruments ,SDG800, SDG1000X, SDG2000X, SDG5000,SDG6000X series generators and SDM digital multimeters; Height 3U
	SDS1X-E-RMK		Rackmount kit , compatible with the SDS800X HD, SDS1000X-E, SDS1000X-U, SDS2000X-E model; Height 4U
	SDG-RMK		Rackmount kit, compatible with SDG800, SDG1000X, SDG1000X Plus, SDG2000X, SDG5000, SDG6000X series generators and SDM digital multimeters, SDL1000X load; Height 3U
	SSA-RMK		Rackmount kit , compatible with the SSA3000X, SSA3000X Plus, SVA1000X, SSA3000X-R model; Height 6U
	SSG-RMK		Rack Mount kit; SSG3000X, SSG5000X, SSG5000A, SDG7000A; Height 3U
	SDS2000 HD-RMK		Rack Mount kit for SDS1000X HD, SDS2000X HD, SDS3000X HD; Height 6U(exactly 260 mm)
	SPD3000-RMK		Rackmount kit , compatible with the SPD3000X/X-E/D/S/C models, Height 4U
	SPS5000X-RMK		SPS5000X EIA Standard rack, Height 3U
	SDS2000-RMK		Rackmount kit is designed for use with only one instrument, is compatible with the SDS2000,SDS2000X, SDS2000X Plus series Oscilloscope; Height 6U
	SDS5000X-RMK		Rack Mount kit for SDS5000X; Height 6U
	SDS6000-RMK		Rack Mount kit for SDS6000A, SNA5000A, SSA5000A; Height 7U
	SSG6000A-RMK		Rack Mount kit; SSG6000A; Height 2U

Type	Model	Picture	Specifications
Mechanical Calibration Kit	F503ME		DC - 4.5 GHz, OSLT, Type N - Male
	F503FE		DC - 4.5 GHz, OSLT, Type N - Female
	F504TS		DC - 9 GHz, OSLT, Type N - Male AND Female
	F504MS		DC - 9 GHz, OSLT, Type N - Male
	F504FS		DC - 9 GHz, OSLT, Type N - Female
	F505TS		DC - 18 GHz, OSLT, Type N - Male AND Female
	F505MS		DC - 18 GHz, OSLT, Type N - Male
	F505FS		DC - 18 GHz, OSLT, Type N - Female
	Y504MS		DC - 9 GHz, OSLT, Type N - Male
	Y504FS		DC - 9 GHz, OSLT, Type N - Female
	F603ME		DC - 4.5 GHz, OSLT, 3.5mm - Male
	F603FE		DC - 4.5 GHz, OSLT, 3.5mm - Female
	F604TS		DC - 9 GHz, OSLT, 3.5mm - Male AND Female
	F604MS		DC - 9 GHz, OSLT, 3.5mm - Male
	F604FS		DC - 9 GHz, OSLT, 3.5mm - Female
	F606TS		DC - 26.5 GHz, OSLT, 3.5mm - Male AND Female
	F606MS		DC - 26.5 GHz, OSLT, 3.5mm - Male
	F606FS		DC - 26.5 GHz, OSLT, 3.5mm - Female
	Y606MS		DC - 26.5 GHz, OSLT, 3.5mm - Male
	Y606FS		DC - 26.5 GHz, OSLT, 3.5mm - Female
	KWR42A		18 – 26.5 GHz, Waveguide, 2.92mm-Male AND Female

Type	Model	Picture	Specifications
TDR Probe	ADP-18		Adjustable differential TDR probe DC~18 GHz
	ADP-26		Adjustable differential TDR probe DC~26.5 GHz
	ASP-18		Adjustable single-end TDR probe DC~18 GHz
	ASP-26		Adjustable single-end TDR probe DC~26.5 GHz
Switch Matrix	SSM5122A		2 input ports, 12 output ports, 3.5 mm female, 9 kHz~9 GHz
	SSM5124A		2 input ports, 24 output ports, 3.5 mm female, 9 kHz~9 GHz
	SSM5142A		4 input ports, 12 output ports, 3.5 mm female, 9 kHz~9 GHz
	SSM5144A		4 input ports, 24 output ports, 3.5 mm female, 9 kHz~9 GHz
	SSM5321A		2 input ports, 6 output ports, 3.5 mm female, 100 kHz~26.5 GHz
	SSM5342A		4 input ports, 12 output ports, 3.5 mm female, 100 kHz ~ 26.5 GHz
SSA3000X Utility Kit	UKitSSA3X		Utility Kit for SSA3000X Series: N (M) -SMA (M) cable, N (M) -N (M) cable, N (M) -BNC (F) adaptor (2 pcs), N (M) -SMA (F) adaptor (2 pcs), 10 dB attenuator;
Rechargeable lithium battery	10V8_BAT		10.8V, 74 Wh
AC-DC adapter	12V_AP_4A		12V, 4A
Reflection Bridge	RB3X25		RB (1 MHz~2.5 GHz), N (M) -N (M) adaptor (2 pcs), for SSA3000X, SSA3000X Plus series
PC Software	SigIQPro		A comprehensive PC-based software for general and standards-based signals creation, supporting 5G NR, LTE, WLAN, Bluetooth, IoT, Custom OFDM, etc.
Noise Source Driver	NSD28		Noise source driver, connect spectrum analyzer to noise source

Type	Model	Picture	Specifications
VNA Calibration Kit	SEM5002A		2 ports, 9 kHz ~ 4.5 GHz, standard SMA female, optional SMA male/Type-N female/Type-N male connectors
	SEM5012A		2 ports, 9 kHz ~ 9 GHz, standard SMA female, optional SMA male/Type-N female/Type-N male connectors
	SEM5022A		2 ports, 100 kHz ~ 13.5 GHz, standard 3.5mm female, optional 3.5mm male connector
	SEM5032A		2 ports, 100 kHz ~ 26.5 GHz, standard 3.5mm female, optional 3.5mm male connector
	SEM5004A		4 ports, 9 kHz ~ 4.5 GHz, standard SMA female, optional SMA male/Type-N female/Type-N male connectors
	SEM5014A		4 ports, 9 kHz ~ 9 GHz, standard SMA female, optional SMA male/Type-N female/Type-N male connectors
	SEM5024A		4 ports, 100 kHz ~ 13.5 GHz, standard 3.5mm female, optional 3.5mm male connector
	SEM5034A		4 ports, 100 kHz ~ 26.5 GHz, standard 3.5mm female, optional 3.5mm male connector
Mechanical Switch	SSU5181A		DC~18 GHz, including one SPDT mechanical switch, SMA female
	SSU5182A		DC~18 GHz, including two SPDT mechanical switchs, SMA female
	SSU5183A		DC~18 GHz, including three SPDT mechanical switchs, SMA female
	SSU5184A		DC~18 GHz, including four SPDT mechanical switchs, SMA female
	SSU5261A		DC~26.5 GHz, including one SPDT mechanical switch, SMA female
	SSU5262A		DC~26.5 GHz, including two SPDT mechanical switchs, SMA female
	SSU5263A		DC~26.5 GHz, including three SPDT mechanical switchs, SMA female
	SSU5264A		DC~26.5 GHz, including four SPDT mechanical switchs, SMA female
	SSU5265A		DC~26.5 GHz, including one SP6T mechanical switch, SMA female
	SSU5266A		DC~26.5 GHz, including two SP6T mechanical switchs, SMA female
	SSU5501A		DC~50 GHz, including one SPDT mechanical switch, 2.4 mm female
	SSU5502A		DC~50 GHz, including two SPDT mechanical switchs, 2.4 mm female
	SSU5503A		DC~50 GHz, including three SPDT mechanical switchs, 2.4 mm female
	SSU5504A		DC~50 GHz, including four SPDT mechanical switchs, 2.4 mm female

Type	Model	Picture	Specifications
Amplifier	SPA1010		Increase the voltage and current output capabilities to generators like the SIGLENT SDG family. Typical Input Impedance: 15 kΩ Input: +/- 6.5 V Vpp (Gain: X1) +/- 1.3 V (Gain: X10) Gain: Switched 10 V/1 V and 10 V/10 V Output Voltage: 25.4 Vpp Output Current: 1.12 A Slew Rate: ≥ 90 V/μs Overshoot: ≤ 4% Compatible with all SIGLENT SDG series generators
Synchronous Module	SYN64		64 synchronous module
Antenna	ANT-GPS1		GPS antenna, SMA(M), 100 cm
	ANT-DA1		Directional Antenna Suit, N type, ANT-DA11 antenna (10 MHz~200 MHz), ANT-DA12 antenna (200 MHz~500 MHz), ANT-DA13 antenna (500 MHz~8 GHz), Amplifier handle 12dB@1GHz(typ.)
	ANT-DA11		Contains amplifier handle and 10 MHz ~ 200 MHz antenna. Antenna gain 10 dB (typical value); SWR <1:1.9 (typical value); 50 Ω/N type, female; polarization direction horizontal and vertical
	ANT-DA12		Contains amplifier handle and 200 MHz ~ 500 MHz antenna. Antenna gain 10 dB (typical value); SWR <1:1.9 (typical value); 50 Ω/N type, female; polarization direction horizontal and vertical
	ANT-DA13		Contains amplifier handle and 500 MHz ~ 8 GHz antenna. Antenna gain 10 dB (typical value); SWR <1:1.9 (typical value); 50 Ω/N type, female; polarization direction horizontal and vertical
RF Test board	SNA-TB01		Board integrated with RF components like amplier, mixer, filter for vector network analyzer demonstration

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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