

# Electronic Measurement Instruments Selection Guide

## Digital Multimeters



### DM3068 Series

DM3068 (6½ Digits)

#### Key Features

- 2,200,000 Counts of Resolution
- 0.0035% DC Voltage Accuracy
- 10krdgs/s Measurement Speed
- 10A Current Measurement Range
- Dual Measurements Display
- Real-time Trend and Histogram Display Functions
- User Definable Any-sensor Measurement

### DM3058 Series

DM3058 (5½ Digits)

#### Key Features

- 240,000 Counts of Resolution
- 0.015% DC Voltage Accuracy
- 123rdgs/s Measurement Speed
- Dual Measurements Display
- User Definable Any-sensor Measurement
- More Features Designed for Production Lines

## DC Power Supplies



### DP1116A

#### Key Features

- 160W, Single Output, 16V/10A or 32V/5A
- Channel Output Isolated
- Low Ripple Noise: <350 uVrms
- Excellent Power Regulation Rate and Load Regulation Rate
- Short Transient Response Time: <50us
- Remote Sense Capability
- OVP/OCP/OTP
- 100 Steps Timing Waveform Output
- 4.3 Inch LCD (480X272)
- Connectivity: USB Host & Device, LAN, GPIB

### DP1308A

#### Key Features

- 80W, Triple-channel Output: +6V/5A, +25V/1A and -25V/1A
- Channel Output Isolated
- Low Ripple Noise: <350 uVrms
- Excellent Power Regulation Rate and Load Regulation Rate
- Short Transient Response Time: <50us
- ±25V Channels Voltage Tracking
- OVP/OCP/OTP
- 5 Steps Timing Waveform Output
- 4.3 Inch LCD (480X272)
- Connectivity: USB Host & Device, LAN, GPIB

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## RIGOL T&M Selection Guide

# Digital Oscilloscopes



## DS6000 Series



DS6104/DS6102 (1GHz)  
DS6064/DS6062 (600MHz)

### Key Features

- 5GSa/s Real-time Sample Rate
- 140Mpts Memory Depth (standard)
- Up to 180,000wfms/s Waveform Capture Rate
- Up to 200,000frames Real-time Waveform Record
- Serial Buses Triggering (standard) and Decoding (optional)
- 10.1 Inch Display (800x480)



## DS4000 Series



DS4054/DS4052 (500MHz)  
DS4034/DS4032 (350MHz)  
DS4024/DS4022 (200MHz)  
DS4014/DS4012 (100MHz)

### Key Features

- 4GSa/s Real-time Sample Rate
- 140Mpts Memory Depth (standard)
- Up to 110,000wfms/s Waveform Capture Rate
- Up to 200,000frames Real-time Waveform Record
- Serial Buses Triggering(standard) and Decoding (optional)
- 9 Inch Display (800x480)



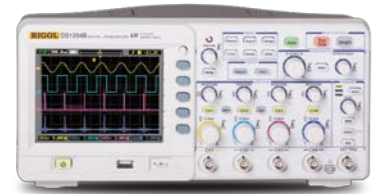
## DS2000 Series



DS2202 (200MHz)  
DS2102 (100MHz)  
DS2072 (70MHz)

### Key Features

- Low Vertical Noise, Dynamic Range: 500uV/div to 10V/div
- 2GSa/s Real-time Sample Rate
- 14Mpts (standard) and 56Mpts (optional) Memory Depth
- Up to 50,000wfms/s Waveform Capture Rate
- Up to 65,000frames Real-time Waveform Record
- Serial Buses Triggering (standard) and Decoding (optional)
- 8 Inch Display (800x480)



## DS1000B Series

DS1204B (200MHz)  
DS1104B (100MHz)  
DS1074B (70MHz)

### Key Features

- 4 Analog Channels
- 2GSa/s Real-time Sample Rate
- Versatile Trigger Functions: Edge, Video, Pulse, Pattern and Alternate
- High Definition Display (320x240)
- Connectivity: USB Host & Device, LAN (LXI-C)



## DS1000CA Series

DS1302CA (300MHz)  
DS1202CA (200MHz)  
DS1102CA (100MHz)  
DS1072CA (70MHz)

### Key Features

- 2GSa/s Real-time Sample Rate
- Vertical Range: 1mV/div~10V/div
- Up to 2000wfms/s Waveform Capture Rate
- Versatile Trigger Functions: Edge, Video, Pulse, Slope and Alternate



## DS1000D • DS1000E Series

DS1102D (100MHz)  
DS1052D (50MHz)  
DS1102E (100MHz)  
DS1052E (50MHz)

### Key Features

- 1GSa/s Real-time Sample Rate
- 2CH+16CH Mixed Signal Oscilloscope (MSO) (DS1000D)
- 1GSa/s Real-time Sample Rate and Up to 1Mpts Memory Depth
- Versatile Trigger Functions: Edge, Video, Pulse, Slope, Alternate, Pattern (DS1000D) and Duration (DS1000D)

# Spectrum Analyzers



## DSA1000A Series

DSA1030A (9kHz~3GHz)  
DSA1030A(TG) (9kHz~3GHz)

### Key Features

- All-digital IF Technology
- -148dBm Displayed Average Noise Level (DANL)
- -88dBc/Hz @ 10kHz Offset Phase Noise
- < 1.0dB Total Amplitude Accuracy
- 10Hz Minimum Resolution Bandwidth (RBW)
- 3GHz Tracking Generator (DSA1030A(TG) only)
- 8.5 Inch Display (800x480)



## DSA1000 Series

DSA1030/DSA1030(TG) (9kHz~3GHz)  
DSA1020 (9kHz~2GHz)

### Key Features

- All-digital IF Technology
- -120dBm (DSA1020) and -138dBm (DSA1030) Displayed Average Noise Level (DANL)
- -80dBc/Hz @10kHz Offset Phase Noise
- < 1.5dB Total Amplitude Accuracy
- 100Hz Minimum Resolution Bandwidth (RBW)
- 3GHz Tracking Generator (DSA1030(TG) only)
- 8.5 Inch Display (800x480)



## DSA800 Series

DSA815 (9kHz~1.5GHz)  
DSA815A(TG) (9kHz~1.5GHz)

### Key Features

- All-digital IF Technology
- -135dBm Displayed Average Noise Level (DANL)
- -80dBc/Hz @ 10kHz Offset Phase Noise
- < 1.5dB Total Amplitude Accuracy
- 100Hz Minimum Resolution Bandwidth (RBW)
- Optional VSWR and EMI Measurement Kit
- 1.5GHz Tracking Generator (DSA815(TG) only)
- 8 Inch Display (800x480)

# Function/Arbitrary Waveform Generators



## DG5000 Series

DG5352/DG5351 (350MHz)  
DG5252/DG5251 (250MHz)  
DG5102/DG5101 (100MHz)  
DG5072/DG5071 (70MHz)

### Key Features

- 1GSa/s Sample Rate, 14bits Vertical Resolution
- Up to 128Mpts Editable Arbitrary Waveform
- 2+16 Mixed Signal Source (optional)
- Complete Isolation Between Channels and Support Freq/Phase Coupling
- Support Frequency Hopping(optional) and IQ Modulation(standard)
- Powerful Waveform Editing PC Software



## DG4000 Series

DG4162 (160MHz)  
DG4102 (100MHz)  
DG4062 (60MHz)

### Key Features

- Dual Channel Outputs With The Identical Performance
- 500MSa/s Sample Rate, 14bits Vertical Resolution
- 7digits/s, 200MHz Counter
- 16<sup>th</sup> Harmonic Generation Function
- 2ppm High-frequency Stability, -115dBc/Hz Low Phase Noise
- Built-in 150 Waveforms
- 7 Inch Display (800x480)
- Powerful Waveform Editing PC Software



## DG2000 Series

DG2041A (40MHz)

### Key Features

- 100MSa/s Sample Rate, 14bits Vertical Resolution
- Up to 512kpts Editable Arbitrary Waveform
- Isolated Output
- Powerful Waveform Editing PC Software
- Connectivity: USB Host & Device, LAN, RS232,GPIB



## DG1000 Series

DG1022 (20MHz)  
DG1022A(25MHz)

### Key Features

- Dual Channel Output
- 100MSa/s Sample Rate, 14bits Vertical Resolution
- 6digits/s, 200MHz Counter
- Built-in 48 Waveforms
- Powerful Waveform Editing PC Software