



Product Dimensions:
 Width×Height×Depth = 141mm×45mm×217mm

Application

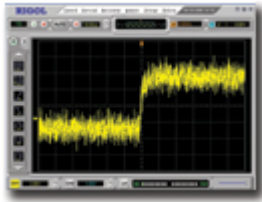
1. Manufacturing
2. High Speed Data Acq
3. Education and Training
4. Design and Debug

Model	VS5042/VS5042D	VS5062/VS5062D	VS5102/VS5102D	VS5202/VS5202D
Bandwidth	40 MHz	60 MHz	100 MHz	200 MHz
Real-time Sample Rate	400 MSa/s, 200 MSa/s (Logic Analyzer)			
Equivalent Sample Rate	25 GSa/s			
Memory Depth	1M points (Single Channel), 512K points (Dual Channels),			
	512K points (Logic Analyzer)			

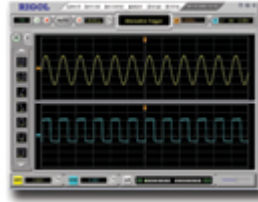
Advanced Features

1. A true Mixed Signal Oscilloscope (MSO) with a 16 channel Logic Analyzer
2. 400 MSa/s maximum real-time sample rate and 25 GSa/s maximum equivalent sample rate
3. Memory depth: 1M points (Single Channel), 512K points (Dual Channels), 512K points (Logic Analyzer)
4. Ultra compact design
5. Dual channels plus external trigger. Bandwidth including 25 MHz, 40 MHz, 60 MHz, 100 MHz
6. Integrated high speed USB 2.0
7. 20 automatic measurements
8. Cursor measurements: Manual, Track and Auto Measure modes
9. Built in FFT providing frequency domain representation
10. Built-in hardware frequency counter
11. Integrated LAN interface
12. The same user interface with desktop digital oscilloscopes, easy to use

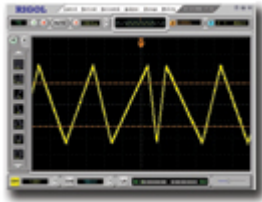
Versatile Trigger Modes



Adjustable Trigger Sensitivity : Effectively filter noise from trigger signal and avoid fault trigger



Alternative Trigger: Dual Time-Base Display which was ever used in analog oscilloscope

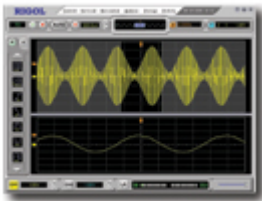


Slope Trigger: Trigger by signal rise time or fall time

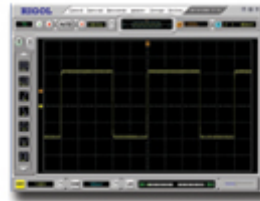


Rise Edge and Fall Edge Trigger

Easy to Use Features



Ultrazoom



Waveform Intensity

Logic Analyzer Module

It becomes a true Mixed Signal Oscilloscope (MSO) with 16 channels Logic Analyzer (LA). LA is divided into two groups: D7-D0, D15-D8. Each works separately.



Logic Analyzer Module



Pattern Trigger



Duration Trigger: Combination of Pattern Trigger and Pulse Width Trigger

Standard Accessories



Power Adapter + Power Cord



Probe × 2



USB Data Wire



VS5000 software CD-ROM



User Manual

(VS5000D Series Only)



Logic Analyzer Module





Logic Analyzer Clips



Data Connection Cable

Performance Characteristics

Model	VS5042	VS5062	VS5102	VS5202
Bandwidth	40 MHz	60 MHz	100 MHz	200 MHz
Memory Depth	1M points (Single Channel), 512K points (Dual Channels)			
Channels	Dual Channels + External Trigger			
Real-time Sample Rate	400 MSa/s			
Equivalent Sample Rate	25 GSa/s			
Rise Time	8.7 ns	5.8 ns	3.5 ns	1.7 ns
Time Base Range	10 ns/div to 50 s/div	5 ns/div to 50 s/div		2 ns/div to 50 s/div
Trigger Modes	Edge, Video, Pulse Width, Slope, Alternative			
Trigger Sources	CH1, CH2, Ext, Ext/5, AC Line			
Accessories	Probe × 2, Power Adapter, User Manual			
Model	VS5042D	VS5062D	VS5102D	VS5202D
Bandwidth	40 MHz	60 MHz	100 MHz	200 MHz
Memory Depth	1M points (Single Channel), 512K points (Dual Channels), 512K points (Logic Analyzer)			

Channels	Dual Channels + External Trigger + Logic Analyzer			
Real-time Sample Rate	400 MSa/s, 200 MSa/s (Logic Analyzer)			
Equivalent Sample Rate	25 GSa/s			
Rise Time	8.7 ns	5.8 ns	3.5 ns	1.7 ns
Time Base Range	10 ns/div 至 50 s/div	5 ns/div 至 50 s/div		2 ns/div 至 50 s/div
Voltage Level Standards (Logic Analyzer)	TTL = 1.4 V, CMOS = 2.5 V, ECL = - 1.3 V, USER = - 8.0 V to + 8.0 V			
Trigger Modes	Edge, Video, Pulse Width, Slope, Alternative, Pattern and Duration			
Trigger Sources	CH1, CH2, Ext, Ext/5, AC Line, D0-D15			
Accessories	Probe × 2, Power Adapter, User manual and a set of digital probes with the MSO models			
Common Parameters				
Input Impedance	1 MΩ 15 pF			
Trigger Sensitivity	0.1 div to 1.0 div, User Adjustable			
Vertical Sensitivity	2 mV/div to 5 V/div (BNC)			
Input Coupling	DC, AC, Ground			
Maximum Input Voltage	400 V (DC + AC peak)			
Automatic Measurements	Vpp, Vamp, Vmax, Vmin, Vtop, Vbase, Vavg, Vrms, Preshoot, Overshoot, Frequency, Period, Rise Time, Fall time, Positive Width, Negative Width, Positive Duty Cycle, Negative Duty Cycle, Delay 1→2  , Delay 1→2 			
Cursor Measurements	Manual, Track and Auto Measure modes			
I/O	USB Device, LAN			
Power	Power Module: (AC 100 V – 240 V, 50 Hz – 60 Hz) input, DC 5V/3A output			
Weight	0.7 kg			