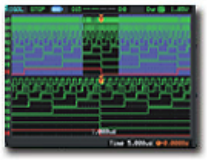
RIGOL
Beyond Measure

DS1000D Series Digital Oscilloscopes



Model	DS1102D	DS1052D
Bandwidth	100 MHz	50 MHz
Channels	Dual Channels + 16 digital channels + External Trigger	
Real-time Sample Rate	1 GSa/s（Single Channel），500 MSa/s（Dual Channels）	
Equivalent-time Sample Rate	50GSa/s	25GSa/s
Rise Time	3.5ns	7ns
Time Base Range	2 ns/div ~ 50s/div	5 ns/div ~ 50s/div

Performance Characteristics	Channel Mode	Sample Rate	Normal Memory	Long Memory
Memory Depth	Single Channel	1GSa/s	16kpts	N.A.
	Single Channel	500MSa/s Or lower	16kpts	1Mpts
	Dual Channels	500MSa/s Or lower	8kpts	512kpts
Trigger Modes	Edge, Video, Pulse Width, Slope, Alternate, Pattern and Duration			
Vertical Resolution	8 bits			
Vertical Sensitivity Range	2 mV/div ~ 10V/div			
Maximum Input Voltage	400V (DC＋AC Peak, 1MΩ input impedance)			
Input Coupling	DC, AC, GND			
Input Impedance	1 MΩ ± 2 %, in parallel with 15 pF ± 3 pF			
Probe Attenuation Factors	1X, 5X, 10X, 50X, 100X, 500X,1000X			
Roll Range	500ms/div ~ 50s/div			
Cursor Measurements	Manual, Track and Auto Measure modes			
Mathematics	+，−，×，FFT			
Internal Storage	10 Waveforms and 10 Setups			
USB Storage	BMP, CSV, Waveforms and Setups			
Interface	Standard: USB Device，USB Host，RS-232, P/F Out			
Display	5.6″ TFT (64 k, Color LCD), 320×234			
Power	100 ~ 240 VACRMS，45 ~ 440 Hz，CAT II，50 W Max			
Weight	2.4 kg			