

RIGOL DS1000 E/D Series Digital Oscilloscopes

Model	DS1102E		DS1052E	
	DS1102D		DS1052D	
Bandwidth	100 MHz		50 MHz	
Channels	Dual Channels + External Trigger			
Real-time Sample Rate	1 GSa/s (Single Channel) , 500 MSa/s (Dual Channels)			
Equivalent-time Sample Rate	25GSa/s		10GSa/s	
Rise Time	3.5ns		7ns	
Memory Depth	Channel Mode	Sample Rate	Normal Memory	Long Memory
	Single Channel	1GSa/s	16 kpts	N.A.
	Single Channel	500MSa/s or lower	16 kpts	1Mpts
	Dual Channels	500MSa/s or lower	8 kpts	512 kpts
Timebase Range	2 ns/div ~50s/div		5 ns/div ~50s/div	
Trigger Modes	Edge, Video, Pulse Width, Slope, Alternate			
Vertical Resolution	8 bits			
Vertical Sensitivity	2 mV/div ~10V/div			
Maximum Input Voltage	All inputs 1MΩ 15pF 300V RMS CAT I			
Input Coupling	DC,AC,GND			
Roll Range	500ms/div ~50s/div			
Cursor Measurements	Manual,Track and Auto Measure modes			
Math	+, -, ×, FFT			
Internal Storage	10 Waveforms and 10 Setups			
USB Storage	BMP, CSV, Waveforms and Setups			
Connectivity	USB Device, USB Host, RS-232, P/F Out			
Display	5.6" TFT (64 k, Color LCD), 320×234 resolution			
Power Supply	AC:100 ~ 240 VACRMS, 45 ~ 440 Hz, CAT II, 50 VA Max			