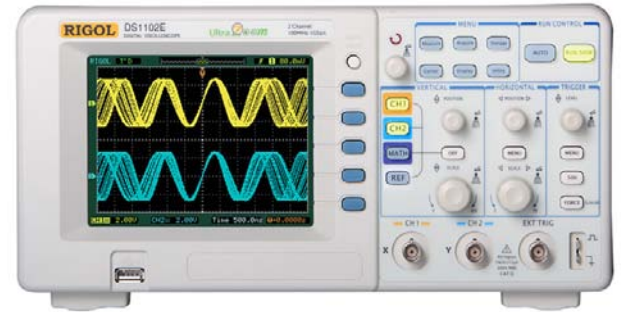


# DS1102E

## Digital Oscilloscope

### 100MHz

- 100MHz Bandwidth
- 1GSa/s Sample Rate (500MSa/s per channel)
- 1MB memory (512K per channel)
- 5.7" TFT Display
- Triggering Functions: Edge, Slope, Pulse, Alternate, Video
- Math Functions: Addition, Subtraction, Multiply, FFT



MSRP: \$795

#### Specifications:

Model	DS1102E	
Bandwidth	100 MHz	
Channels	Dual Channels + External Trigger	
Real-time Sample Rate	1 GSa/s (Single Channel), 500 MSa/s (Dual Channel)	
Equivalent-time Sample Rate	25GSa/s	
Rise Time	3.5 ns	
Memory Depth	Channel Mode	Sample Rate
	Single Channel	1GSa/s
	Single Channel	500MSa/s or lower
	Dual Channels	500MSa/s or lower
Timebase Range	2 ns/div - 50s/div	
Trigger Modes	Edge, Video, Pulse Width, Slope, Alternate	
Vertical Resolution	8bits	
Vertical Sensitivity	2 mV/div - 10V/div	
Maximum Input Voltage	All inputs 1M $\Omega$    15pF 300V RMS CAT 1	
Input Coupling	DC, AC, GND	
Roll Range	500ms/div - 50s/div	
Cursor Measurements	Manual, Track and Auto Measure Modes	
Math	+, -, x, 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 (64k, color LCD), 320x234 resolution	
Power Supply	AC:100 - 240 VACRMS, 45-440Hz, CAT II, 50 VA Max	