



Digital Oscilloscope

DSO2000 Series

150MHz, 1GSa/s, 8M Memory Depth

Digital Oscilloscope



Product Features

- 2 channels, 100MHz and 150MHz bandwidth;
- Sampling rate up to 1 GSa/s;
- 8M memory depth;
- Vertical range from 2mV/div to 10V/div;
- With digital voltage meter and frequency counter;
- Vertical resolution: 8 bits;
- Trigger mode: Edge, Pulse, Video, Slope, Overtime, Window, Pattern, Interval, Under Amp;
- Serial decode/trigger options for: UART, I2C, SPI, CAN, LIN;
- Can save multiple data formats, such as settings, waveforms, reference waveforms, CSV, pictures;
- 32 built-in measurement and a measurement statistics display;
- Built-in 1 output 25MHz waveform generator (in DSO2D10, DSO2D15 models).

Specification

Model	DSO2D15	DSO2D10
Analog Channels	2	
Bandwidth	150MHz	100MHz
Sample Rate	1GSa/s (single channel), 500MSa/s (all channels)	
Memory Depth	8Mpts (single channel), 4Mpts (all channels)	
Rising Time	≤2.4ns	≤3.5ns
Vertical Resolution	8 bit	
Vertical Sensitivity	1 MΩ: 500μV/div ~ 10 V/div	
Time Base Range	2ns/div~1 ks/div	
Bandwidth Limit	20MHz (selectable)	
Trigger Type	Edge, Pulse, Video, Slope, Timeout, Window, Pattern, Interval, Under Amp	
Bus and Decoding	UART, LIN, CAN, SPI, IIC	
Arithmetic	Add, subtract, multiply, divide, FFT	
Measurements	32 automated measurements, with statistics	
Analysis Function	Frequency counter, DVM	
Acquisition Mode	Normal, Average, Peak Detect, HR (High Resolution)	
Input Coupling	DC, AC or GND	
Input Impedance	1 MΩ ± 1%	
Waveform Generator	Sampling rate: 200 MSa/s Vertical resolution: 12 bits Maximum output frequency: 25 MHz Waveforms: Sine, Square, Ramp, Exp, Noise, DC, Arbitrary	
Connectivity	USB host, USB device, External trigger input	
Display	7-inch 64K TFT LCD	

Model

Model	Channels	Bandwidth	Sampling Rate	Memory Depth	Digital Voltmeter	Input Sensitivity	Waveform Generator
DSO2D15	2	150MHz	1GSa/s	8Mpts	2 source, 3 digits	2mV/div ~ 10 V/div	25MHz, 1 Output
DSO2D10	2	100MHz	1GSa/s	8Mpts	2 source, 3 digits	2mV/div ~ 10 V/div	25MHz, 1 Output
DSO2C15	2	150MHz	1GSa/s	8Mpts	2 source, 3 digits	2mV/div ~ 10 V/div	--
DSO2C10	2	100MHz	1GSa/s	8Mpts	2 source, 3 digits	2mV/div ~ 10 V/div	--