

Overview of the MSO5000 Series Technical Specifications

Model	MSO5072	MSO5074	MSO5102	MSO5104	MSO5204	MSO5354
Analog Bandwidth	70 MHz	70 MHz	100 MHz	100 MHz	200 MHz	350 MHz
Rising Time (typical)	≤5 ns	≤5 ns	≤3.5 ns	≤3.5 ns	≤1.75 ns	≤1 ns
	2	4	2	4	4	4
No. of Input/Output Channels	16 input digital channels (PLA2216 probe option is required to be ordered) Dual-channel arbitrary waveform generator output (required to install the MSO5000-AWG option to activate the software function)					
Sampling Mode	Real-time sampling					
Max. Sample Rate of Analog Channel	MSO5354/MSO5204/MSO5104/MSO5074: 8 GSa/s (single-channel), 4 GSa/s (half-channel ^[1]), 2 GSa/s (all channels) MSO5102/MSO5072: 8 GSa/s (single-channel), 2 GSa/s (all channels)					
Max. Memory Depth	Analog channel: 200 Mpts (single-channel), 100 Mpts (half-channel ^[1]), 50 Mpts (all channels) Digital channel: 25 Mpts (all channels)					
Max. Waveform Capture Rate ^[2]	≥ 500,000 wfms/s					
Hardware Real-time Waveform Recording and Playing	≥ 450,000 wfms (single-channel)					
Peak Detection	Under all the time base settings, capture 500 ps glitches					
LCD Size and Type	9-inch capacitive multi-touch screen/gesture enabled operation					
Display Resolution	1024 × 600					