

SDS2000X Timebase/Sample rate

Horizontal Timebase	Active Channels Per Channel	Memory Depth Per Channel	Sample Rate Per Channel
50 s/div	1 (2)	14 kpts (7 kpts)	20 Sa/s (10 Sa/s)
		28 kpts (14 kpts)	40 Sa/s (20 Sa/s)
		140 kpts (70 kpts)	200 Sa/s (100 Sa/s)
		280 kpts (140 kpts)	400 Sa/s (200 Sa/s)
		1.4 Mpts (700 kpts)	2 kSa/s (1 kSa/s)
		2.8 Mpts (1.4 Mpts)	4 kSa/s (2 kSa/s)
		14 Mpts (7 Mpts)	20 kSa/s (10 kSa/s)
		28 Mpts (14 Mpts)	40 kSa/s (20 kSa/s)
		140 Mpts (70 Mpts)	100 kSa/s (50 kSa/s)

Horizontal Timebase	Active Channels Per Channel	Memory Depth Per Channel	Sample Rate Per Channel
20 s/div	1 (2)	14 kpts (7 kpts)	50 Sa/s (25 Sa/s)
		28 kpts (14 kpts)	100 Sa/s (50 Sa/s)
		140 kpts (70 kpts)	500 Sa/s (250 Sa/s)
		280 kpts (140 kpts)	1 kSa/s (500 Sa/s)
		1.4 Mpts (700 kpts)	5 kSa/s (2.5 kSa/s)
		2.8 Mpts (1.4 Mpts)	10 kSa/s (5 kSa/s)
		14 Mpts (7 Mpts)	50 kSa/s (25 kSa/s)
		28 Mpts (14 Mpts)	100 kSa/s (50 kSa/s)
		140 Mpts (70 Mpts)	500 kSa/s (250 kSa/s)

Horizontal Timebase	Active Channels Per Channel	Memory Depth Per Channel	Sample Rate Per Channel
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		28 kpts (14 kpts)	200 Sa/s (100 Sa/s)
		140 kpts (70 kpts)	1 kSa/s (500 Sa/s)
		280 kpts (140 kpts)	2 kSa/s (1 kSa/s)
		1.4 Mpts (700 kpts)	10 kSa/s (5 kSa/s)
		2.8 Mpts (1.4 Mpts)	20 kSa/s (10 kSa/s)
		14 Mpts (7 Mpts)	100 kSa/s (50 kSa/s)
		28 Mpts (14 Mpts)	200 kSa/s (100 kSa/s)
		140 Mpts (70 Mpts)	1 MSa/s (500 MSa/s)



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		28 kpts (14 kpts)	400 Sa/s (200 Sa/s)
		140 kpts (70 kpts)	2 kSa/s (1 kSa/s)
		280 kpts (140 kpts)	4 kSa/s (2 kSa/s)
		1.4 Mpts (700 kpts)	20 kSa/s (10 kSa/s)
		2.8 Mpts (1.4 Mpts)	40 kSa/s (20 kSa/s)
		14 Mpts (7 Mpts)	200 kSa/s (100 kSa/s)
		28 Mpts (14 Mpts)	400 kSa/s (200 kSa/s)
		140 Mpts (70 Mpts)	2 MSa/s (1 MSa/s)

Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
2 s/div	1 (2)	14 kpts (7 kpts)	500 Sa/s (250 Sa/s)
		28 kpts (14 kpts)	1 kSa/s (500 Sa/s)
		140 kpts (70 kpts)	5 kSa/s (2.5 kSa/s)
		280 kpts (140 kpts)	10 kSa/s (5 kSa/s)
		1.4 Mpts (700 kpts)	50 kSa/s (25 kSa/s)
		2.8 Mpts (1.4 Mpts)	100 kSa/s (50 kSa/s)
		14 Mpts (7 Mpts)	500 kSa/s (250 kSa/s)
		28 Mpts (14 Mpts)	1 MSa/s (500 kSa/s)
		140 Mpts (70 Mpts)	5 MSa/s (2.5 MSa/s)

Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
1 s/div	1 (2)	14 kpts (7 kpts)	1 kSa/s (500 Sa/s)
		28 kpts (14 kpts)	2 kSa/s (1 kSa/s)
		140 kpts (70 kpts)	10 kSa/s (5 kSa/s)
		280 kpts (140 kpts)	20 kSa/s (10 kSa/s)
		1.4 Mpts (700 kpts)	100 kSa/s (50 kSa/s)
		2.8 Mpts (1.4 Mpts)	200 kSa/s (100 kSa/s)
		14 Mpts (7 Mpts)	1 MSa/s (500 kSa/s)
		28 Mpts (14 Mpts)	2 MSa/s (1 MSa/s)
		140 Mpts (70 Mpts)	10 MSa/s (5 MSa/s)

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Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
500 ms/div	1 (2)	14 kpts (7 kpts)	2 kSa/s (1 kSa/s)
		28 kpts (14 kpts)	4 kSa/s (2 kSa/s)
		140 kpts (70 kpts)	20 kSa/s (10 kSa/s)
		280 kpts (140 kpts)	40 kSa/s (20 kSa/s)
		1.4 Mpts (700 kpts)	200 kSa/s (100 kSa/s)
		2.8 Mpts (1.4 Mpts)	400 kSa/s (200 kSa/s)
		14 Mpts (7 Mpts)	2 MSa/s (1 MSa/s)
		28 Mpts (14 Mpts)	4 MSa/s (2 MSa/s)
		140 Mpts (70 Mpts)	20 MSa/s (10 MSa/s)

Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
200 ms/div	1 (2)	14 kpts (7 kpts)	5 kSa/s (2.5 kSa/s)
		28 kpts (14 kpts)	10 kSa/s (5 kSa/s)
		140 kpts (70 kpts)	50 kSa/s (25 kSa/s)
		280 kpts (140 kpts)	100 kSa/s (50 kSa/s)
		1.4 Mpts (700 kpts)	500 kSa/s (250 kSa/s)
		2.8 Mpts (1.4 Mpts)	1 MSa/s (500 kSa/s)
		14 Mpts (7 Mpts)	5 MSa/s (2.5 kSa/s)
		28 Mpts (14 Mpts)	10 MSa/s (5 MSa/s)
		140 Mpts (70 Mpts)	50 MSa/s (25 MSa/s)

Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
100 ms/div	1 (2)	14 kpts (7 kpts)	10 kSa/s (5 kSa/s)
		28 kpts (14 kpts)	20 kSa/s (10 kSa/s)
		140 kpts (70 kpts)	100 kSa/s (50 kSa/s)
		280 kpts (140 kpts)	200 kSa/s (100 kSa/s)
		1.4 Mpts (700 kpts)	1 MSa/s (500 kSa/s)
		2.8 Mpts (1.4 Mpts)	2 MSa/s (1 MSa/s)
		14 Mpts (7 Mpts)	10 MSa/s (5 MSa/s)
		28 Mpts (14 Mpts)	20 MSa/s (10 MSa/s)
		140 Mpts (70 Mpts)	100 MSa/s (50 MSa/s)

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50 ms/div	1 (2)	14 kpts (7 kpts)	20 kSa/s (10 kSa/s)
		28 kpts (14 kpts)	40 kSa/s (20 kSa/s)
		140 kpts (70 kpts)	200 kSa/s (100 kSa/s)
		280 kpts (140 kpts)	400 kSa/s (200 kSa/s)
		1.4 Mpts (700 kpts)	2 MSa/s (1 MSa/s)
		2.8 Mpts (1.4 Mpts)	4 MSa/s (2 MSa/s)
		14 Mpts (7 Mpts)	20 MSa/s (10 MSa/s)
		28 Mpts (14 Mpts)	40 MSa/s (20 MSa/s)
		140 Mpts (70 Mpts)	200 MSa/s (100 MSa/s)

Horizontal Timebase	Active Channels Per Channel	Memory Depth Per Channel	Sample Rate Per Channel
20 ms/div	1 (2)	14 kpts (7 kpts)	50 kSa/s (25 kSa/s)
		28 kpts (14 kpts)	100 kSa/s (50 kSa/s)
		140 kpts (70 kpts)	500 kSa/s (250 kSa/s)
		280 kpts (140 kpts)	1 MSa/s (500 kSa/s)
		1.4 Mpts (700 kpts)	5 MSa/s (2.5 MSa/s)
		2.8 Mpts (1.4 Mpts)	10 MSa/s (5 MSa/s)
		14 Mpts (7 Mpts)	50 MSa/s (25 MSa/s)
		28 Mpts (14 Mpts)	100 MSa/s (50 MSa/s)
		140 Mpts (70 Mpts)	500 MSa/s (250 MSa/s)

Horizontal Timebase	Active Channels Per Channel	Memory Depth Per Channel	Sample Rate Per Channel
10 ms/div	1 (2)	14 kpts (7 kpts)	100 kSa/s (50 kSa/s)
		28 kpts (14 kpts)	200 kSa/s (100 kSa/s)
		140 kpts (70 kpts)	1 MSa/s (500 kSa/s)
		280 kpts (140 kpts)	2 MSa/s (1 MSa/s)
		1.4 Mpts (700 kpts)	10 MSa/s (5 MSa/s)
		2.8 Mpts (1.4 Mpts)	20 MSa/s (10 MSa/s)
		14 Mpts (7 Mpts)	100 MSa/s (50 MSa/s)
		28 Mpts (14 Mpts)	200 MSa/s (100 MSa/s)
		140 Mpts (70 Mpts)	1 GSa/s (500 MSa/s)

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Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
5 ms/div	1 (2)	14 kpts (7 kpts)	200 kSa/s (100 kSa/s)
		28 kpts (14 kpts)	400 kSa/s (200 kSa/s)
		140 kpts (70 kpts)	2 MSa/s (1 MSa/s)
		280 kpts (140 kpts)	4 MSa/s (2 MSa/s)
		1.4 Mpts (700 kpts)	20 MSa/s (10 MSa/s)
		2.8 Mpts (1.4 Mpts)	40 MSa/s (20 MSa/s)
		14 Mpts (7 Mpts)	200 MSa/s (100 MSa/s)
		28 Mpts (14 Mpts)	400 MSa/s (200 MSa/s)
		140 Mpts (70 Mpts)	2 GSa/s (1 GSa/s)

Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
2 ms/div	1 (2)	14 kpts (7 kpts)	500 kSa/s (250 kSa/s)
		28 kpts (14 kpts)	1 MSa/s (500 kSa/s)
		140 kpts (70 kpts)	5 MSa/s (2.5 MSa/s)
		280 kpts (140 kpts)	10 MSa/s (5 MSa/s)
		1.4 Mpts (700 kpts)	50 MSa/s (25 MSa/s)
		2.8 Mpts (1.4 Mpts)	100 MSa/s (50 MSa/s)
		14 Mpts (7 Mpts)	500 MSa/s (250 MSa/s)
		28 Mpts (14 Mpts)	1 GSa/s (500 MSa/s)
		56 Mpts (28 Mpts)	2 GSa/s (1 GSa/s)

Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
1 ms/div	1 (2)	14 kpts (7 kpts)	1 MSa/s (500 kSa/s)
		28 kpts (14 kpts)	2 MSa/s (1 MSa/s)
		140 kpts (70 kpts)	10 MSa/s (5 MSa/s)
		280 kpts (140 kpts)	20 MSa/s (10 MSa/s)
		1.4 Mpts (700 kpts)	100 MSa/s (50 MSa/s)
		2.8 Mpts (1.4 Mpts)	200 MSa/s (100 MSa/s)
		14 Mpts (7 Mpts)	1 GSa/s (500 MSa/s)
		28 Mpts (7 Mpts)	2 GSa/s (1 GSa/s)
		28 Mpts (14 Mpts)	2 GSa/s (1 GSa/s)

SDS2000X Timebase/Sample rate

Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
500 us/div	1 (2)	14 kpts (7 kpts)	2 MSa/s (1 MSa/s)
		28 kpts (14 kpts)	4 MSa/s (2 MSa/s)
		140 kpts (70 kpts)	20 MSa/s (10 MSa/s)
		280 kpts (140 kpts)	40 MSa/s (20 MSa/s)
		1.4 Mpts (700 kpts)	200 MSa/s (100 MSa/s)
		2.8 Mpts (1.4 Mpts)	400 MSa/s (200 MSa/s)
		14 Mpts (7 Mpts)	2 GSa/s (1 GSa/s)
		14 Mpts (7 Mpts)	2 GSa/s (1 GSa/s)
		14 Mpts (7 Mpts)	2 GSa/s (1 GSa/s)

Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
200 us/div	1 (2)	14 kpts (7 kpts)	5 MSa/s (2.5 MSa/s)
		28 kpts (14 kpts)	10 MSa/s (5 MSa/s)
		140 kpts (70 kpts)	50 MSa/s (25 MSa/s)
		280 kpts (140 kpts)	100 MSa/s (50 MSa/s)
		1.4 Mpts (700 kpts)	500 MSa/s (250 MSa/s)
		2.8 Mpts (1.4 Mpts)	1 GSa/s (500 MSa/s)
		5.6 Mpts (2.8 Mpts)	2 GSa/s (1 GSa/s)
		5.6 Mpts (2.8 Mpts)	2 GSa/s (1 GSa/s)
		5.6 Mpts (2.8 Mpts)	2 GSa/s (1 GSa/s)

Horizontal Timebase	Active Channels Per Bank	Memory Depth Per Channel	Sample Rate Per Channel
100 us/div	1 (2)	14 kpts (7 kpts)	10 MSa/s (5 MSa/s)
		28 kpts (14 kpts)	20 MSa/s (10 MSa/s)
		140 kpts (70 kpts)	100 MSa/s (50 MSa/s)
		280 kpts (140 kpts)	200 MSa/s (100 MSa/s)
		1.4 Mpts (700 kpts)	1 GSa/s (500 MSa/s)
		2.8 Mpts (1.4 Mpts)	2 GSa/s (1 GSa/s)
		2.8 Mpts (1.4 Mpts)	2 GSa/s (1 GSa/s)
		2.8 Mpts (1.4 Mpts)	2 GSa/s (1 GSa/s)
		2.8 Mpts (1.4 Mpts)	2 GSa/s (1 GSa/s)

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50 us/div	1 (2)	14 kpts (7 kpts)	20 MSa/s (10 MSa/s)
		28 kpts (14 kpts)	40 MSa/s (20 MSa/s)
		140 kpts (70 kpts)	200 MSa/s (100 MSa/s)
		280 kpts (140 kpts)	400 MSa/s (200 MSa/s)
		1.4 Mpts (700 kpts)	2 GSa/s (1 GSa/s)
		1.4 Mpts (700 kpts)	2 GSa/s (1 GSa/s)
		1.4 Mpts (700 kpts)	2 GSa/s (1 GSa/s)
		1.4 Mpts (700 kpts)	2 GSa/s (1 GSa/s)
		1.4 Mpts (700 kpts)	2 GSa/s (1 GSa/s)

Horizontal Timebase	Active Channels Per Channel	Memory Depth Per Channel	Sample Rate Per Channel
20 us/div	1 (2)	14 kpts (7 kpts)	50 MSa/s (25 MSa/s)
		28 kpts (14 kpts)	100 MSa/s (50 MSa/s)
		140 kpts (70 kpts)	500 MSa/s (250 MSa/s)
		280 kpts (140 kpts)	1 GSa/s (500 MSa/s)
		560 kpts (280 kpts)	2 GSa/s (1 GSa/s)
		560 kpts (280 kpts)	2 GSa/s (1 GSa/s)
		560 kpts (280 kpts)	2 GSa/s (1 GSa/s)
		560 kpts (280 kpts)	2 GSa/s (1 GSa/s)
		560 kpts (280 kpts)	2 GSa/s (1 GSa/s)

Horizontal Timebase	Active Channels Per Channel	Memory Depth Per Channel	Sample Rate Per Channel
10 us/div	1 (2)	14 kpts (7 kpts)	100 MSa/s (50 MSa/s)
		28 kpts (14 kpts)	200 MSa/s (100 MSa/s)
		140 kpts (70 kpts)	1 GSa/s (500 MSa/s)
		280 kpts (140 kpts)	2 GSa/s (1 GSa/s)
		280 kpts (140 kpts)	2 GSa/s (1 GSa/s)
		280 kpts (140 kpts)	2 GSa/s (1 GSa/s)
		280 kpts (140 kpts)	2 GSa/s (1 GSa/s)
		280 kpts (140 kpts)	2 GSa/s (1 GSa/s)
		280 kpts (140 kpts)	2 GSa/s (1 GSa/s)



