



SDS3000X HD



Rigol DHO4000

Key Specifications

channels	4	✓	4	✓
Bandwidth	350 /500 MHz, 1 GHz	✓	200/400/800 MHz	✗
Vertical resolution	12-bit 16-bit (ERES)	✓	12-bit	✓
Sample rate	One/Two channel mode:4 GSa/s Four channel mode: 2 GSa/s	✓	One channel mode:4 GSa/s Two channel mode: 2 GSa/s Four channel mode: 1GSa/s	✓
Memory depth (Max.)	400 Mpts/ch (interleaving mode: single-channel) 200 Mpts/ch (interleaving mode: dual-channel) 100 Mpts/ch (non-interleaving mode)	✓	standard: One channel mode:250 Mpts/ch Two channel mode:125 Mpts/ch Four channel mode: 62.5 Mpts/ch optional: One channel mode:500 Mpts/ch Two channel mode:250 Mpts/ch Four channel mode:125 Mpts/ch	✗
Waveform capture rate	Normal mode: 200,000 wfms/s; Sequence mode: 890,000 wfms/s	○	Vector Mode:50,000 wfms/s UltraAcquire Mode:1,500,000 wfms/s	○
Noise floor (50Ω,1mV/div)	70 μ Vms@350MHz 90 μ Vms@500MHz 125 μ Vms@1 GHz	✓	not mentioned	

ENOB	8.3-bit@1GHz 8.5-bit@500MHz 8.6-bit@350MHz	✓	>8-bit	
Other				
Timebase Accuracy	±2 ppm initial (0~50°C); 1st year aging: ±0.5 ppm 20-year aging: ±3 ppm	✓	±1.5 ppm ± 1 ppm/year	✓
DC gain accuracy	0.5 mV/div ~ 4.95 mV/div: ±1.5 % 5 mV/div ~ 10 V/div: ±0.5 %	✓	± 2 %	✗
I/O	2×USB Host 3.0, 1×USB Host 2.0, 1×USB Device 3.0, LAN, EXT TRIG, AUX OUT	✗	2×USB Host 3.0, 1×USB Device 3.0, LAN, AUX OUT, 10MHz In/Out, HDMI, EXT TRIG	✓
Display	10.1"	✓	10.1"	✓
weight	Net Weight 4.1 kg Gross Weight 5.6 kg	✗	Net: 3.8 kg Shipping: 5.37 kg	✓
Dimensions	W × H × D=317.2 × 236 × 149mm	✗	W × H × D=358.14 × 214.72 × 120.62 mm	✓
Common				
Sequence	80.000	✗	500.000	✓
Search	support	✓	support	✓
Navigate	support	✓	support	✓
DVM	4-digit	✓	4-digit	✓
Counter	7-digit	✓	3~6-digit	✗
Trigger type	Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video, Qualified, Nth edge, Setup/hold, Delay, Serial	✓	Edge, Pulse, Slope, Video, Pattern, Duration, Timeout, Runt, Window, Delay, Setup/Hold, Nth Edge, Serial	✓
Zone Trigger	support	✓	not support	✗

Measure	Max, Min, Pk-Pk, Top, Base, Amplitude, Mean, Cycle Mean, Stdev, Cycle Stdev, RMS, Cycle RMS, Median, Cycle Median, FOV, FPRE, ROV, RPRE, Level@Trigger, Period, Frequency, Time@max, Time@min, +Width, -Width, 10-90%Rise time, 90-10%Fall time, Rise time, Fall time, +Burst Width, -Burst Width, +Duty Cycle, -Duty Cycle, Delay, Time@Middle, CycleCycle jitter, +Area@DC, -Area@DC, Area@DC, Absolute Area@DC, +Area@AC, -Area@AC, Area@AC, Absolute Area@AC, Cycles, Rising Edges, Falling Edges, Edges, Positive pulses, Negative pulses, Positive Slope, Negative Slope, Phase, FRFR, FRFF, FFFR, FFFF, FRLR, FRLF, FFLR, FFLF, Skew, Tsu@R, Tsu@F, Th@R, Th@F	✓	Vmax, Vmin, Vpp, Vtop, Vbase, Vamp, Vupper, Vmid, Vlower, Vavg, VRMS, Per. VRMS, Overshoot, Preshoot, Area, Period Area, and AC RMS.Period, Frequency, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Positive Pulse Count, Negative Pulse Count, Rising Edge Count, Falling Edge Count, Tvmax, Tvmin, +Slew Rate, and -Slew Rate, Delay (A↑-B↑), Delay (A↑-B↓), Delay (A↓-B↑), Delay (A↓-B↓), Phase (A↑-B↑), Phase (A↑-B↓), Phase (A↓-B↑), and Phase(A↓-B↓),	✓
Math	FFT, +, -, x, ÷, fdt, d/dt, √, Identity, Negation, x , Sign, ex, 10x, ln, lg, Interpolation, Max hold, Min hold, ERES, Average, Formula Editor	✓	+, -, x, ÷, FFT, A&B, AIB, A^B, !A, Intg, Diff, Lg, Ln, Exp, Sqrt, Abs, AX+B, LowPass, HighPass, BandPass, and BandStop	✗
FFT	4 Mpts	✓	1 Mpts	✗
Important				
Serial trigger and decode	standard: I2C, SPI, UART, CAN, LIN optional: CAN FD, FlexRay, I2S, MIL-STD-1553B, SENT, Manchester (decode only)	✓	standard: I2C, SPI, RS232/UART, CAN optional: CAN-FD, LIN, FlexRay, I2S, MIL-STD-1553	✗
bode plot	standard	✓	not support	✗
Mask Test	standard	✓	standard	✓
Power Analysis	optional	✓	optional (only power quality output ripple)	✗
Waveform generator	optional (50 MHz)	✓	not support	✗
digital channels	optional (16)	✓	not support	✗



models	 <p>SDS3000X HD</p>	 <p>TEK MDO3 series</p>
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Key Specifications

channels	4	✓	2/4	✓
Bandwidth	350 /500 MHz, 1 GHz	✓	100/200/350 /500 MHz, 1 GHz	✓
Vertical resolution	12-bit 16-bit (ERES)	✓	8-bit 11-bit (ERES)	✗
Sample rate	One/Two channel mode:4 GSa/s Four channel mode: 2 GSa/s	✗	1GHz: 5 GSa/s 100~500 MHz: 2.5 GSa/s	✓
Memory depth (Max.)	400 Mpts/ch (interleaving mode: single-channel) 200 Mpts/ch (interleaving mode: dual-channel) 100 Mpts/ch (non-interleaving mode)	✓	10 Mpts/ch	✗
Waveform capture rate	Normal mode: 200,000 wfm/s; Sequence mode: 890,000 wfm/s	✓	1GHz: 280,000 wfm/s 100~500 MHz: 230,000 wfm/s	✓
Noise floor (50Ω,1mV/div)	70 μ Vms@350MHz 90 μ Vms@500MHz 125 μ Vms@1 GHz	✓	98 μ Vms@100MHz 111 μ Vms@200MHz	✗
ENOB	8.3-bit@1GHz 8.5-bit@500MHz 8.6-bit@350MHz	✓	not mentioned	



Other				
Timebase Accuracy	±2 ppm initial (0~50°C); 1st year aging: ±0.5 ppm 20-year aging: ±3 ppm	✓	±10 ppm over any ≥1 ms interval	✗
DC gain accuracy	0.5 mV/div ~ 4.95 mV/div: ±1.5 % 5 mV/div ~ 10 V/div: ±0.5 %	✓	>±1.5 %	✗
I/O	2×USB Host 3.0, 1×USB Host 2.0, 1×USB Device 3.0, LAN, EXT TRIG, AUX OUT	✓	3×USB Host 2.0, 1×USB Device 2.0, LAN, HDMI, Auxilliary input, AUX OUT	✓
Display	10.1"	✗	11.6"	✓
weight	Net Weight 4.1 kg Gross Weight 5.6 kg	✓	Net Weight 5.26 kg Gross Weight 7.89 kg	✗
Dimensions	W × H × D=317.2 × 236 × 149mm	✓	W × H × D=370 × 252 × 148.6mm	✗
Common				
Sequence	80.000	✗	4.000.000	✓
Search	support	✓	support	✓
Navigate	support	✓	support	✓
DVM	4-digit	✓	4-digit	✓
Counter	7-digit	✓	5-digit	✗
Trigger type	Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video, Qualified, Nth edge, Setup/hold, Delay, Serial	✓	Edge, Sequence (B-trigger), Pulse, Width, Timeout, Runt, Logic, Setup and Hold, Rise/Fall Time, Video, Parallel	✓
Zone Trigger	support	✓	not support	✗

Measure	Max, Min, Pk-Pk, Top, Base, Amplitude, Mean, Cycle Mean, Stdev, Cycle Stdev, RMS, Cycle RMS, Median, Cycle Median, FOV, FPRE, ROV, RPRE, Level@Trigger, Period, Frequency, Time@max, Time@min, +Width, -Width, 10-90%Rise time, 90-10%Fall time, Rise time, Fall time, +Burst Width, -Burst Width, +Duty Cycle, -Duty Cycle, Delay, Time@Middle, CycleCycle jitter, +Area@DC, -Area@DC, Area@DC, Absolute Area@DC, +Area@AC, -Area@AC, Area@AC, Absolute Area@AC, Cycles, Rising Edges, Falling Edges, Edges, Positive pulses, Negative pulses, Positive Slope, Negative Slope, Phase, FRFR, FRFF, FFFR, FFFF, FRLR, FRLF, FFLR, FFLF, Skew, Tsu@R, Tsu@F, Th@R, Th@F	✓	Period, Frequency, Delay, Rise Time, Fall Time, Positive Duty Cycle, Negative Duty Cycle, Positive Pulse Width, Negative Pulse Width, Burst Width, Phase, Positive Overshoot, Negative Overshoot, Total Overshoot, Peak to Peak, Amplitude, High, Low, Max, Min, Mean, Cycle Mean, RMS, Cycle RMS, Positive Pulse Count, Negative Pulse Count, Rising Edge Count, Falling Edge Count, Area, Cycle Area	✓
Math	FFT, +, -, x, ÷, ∫dt, d/dt, √, Identity, Negation, x , Sign, ex, 10x, ln, lg, Interpolation, Max hold, Min hold, ERES, Average, Formula Editor	✓	+, -, x, ÷Integrate, differentiate, FFT, Log, Exp, Sqrt, Abs, Sine, Cosine, Tangent, Rad, Deg	✓
FFT	4 Mpts	✓	not mentioned	
Improtant				
Serial trigger and decode	standard: I2C, SPI, UART, CAN, LIN optional: CAN FD, FlexRay, I2S, MIL-STD-1553B, SENT, Manchester (decode only)	✓	optional:I2C, SPI, RS232/422/485/UART, USB2.0, CAN, CAN FD , LIN, FlexRay , MIL-STD-1553, ARINC429, 2S/LJ/RJ/TDM	✗
bode plot	standard	✓	not support	✗
Mask Test	standard	✓	standard	✓
Power Analysis	optional	✓	optional	✓
Waveform generator	optional (50 MHz)	✓	optional (50 MHz)	✓
digital channels	optional (16)	✓	optional (16)	✓

models	 SDS3000X HD	 R&S RTM3000																																								
<div>Key</div> <table> <tr> <td>channels</td> <td>4</td> <td>✓</td> <td>2/4</td> <td>✓</td> </tr> <tr> <td>Bandwidth</td> <td>350 /500 MHz, 1 GHz</td> <td>✓</td> <td>100/200/350 /500 MHz, 1 GHz</td> <td>✓</td> </tr> <tr> <td>Vertical resolution</td> <td>12-bit 16-bit (ERES)</td> <td>✓</td> <td>10-bit 16 bit (ERES)</td> <td>✗</td> </tr> <tr> <td>Sample rate</td> <td>One/Two channel mode:4 GSa/s Four channel mode: 2 GSa/s</td> <td>✗</td> <td>5 GSa/s half channel interleaved 2.5 GSa/s all channel</td> <td>✓</td> </tr> <tr> <td>Memory depth (Max.)</td> <td>400 Mpts/ch (interleaving mode: single-channel) 200 Mpts/ch (interleaving mode: dual-channel) 100 Mpts/ch (non-interleaving mode)</td> <td>✓</td> <td>80 Mpts/ch(interleaving mode) 40 Mpts/ch (non-interleaving mode)</td> <td>✗</td> </tr> <tr> <td>Waveform capture rate</td> <td>Normal mode: 200,000 wfms/s; Sequence mode: 890,000 wfms/s</td> <td>○</td> <td>Normal mode:64,000 wfms/s fast segmented memory mode:2,000,000 wfms/s</td> <td>○</td> </tr> <tr> <td>Noise floor (50Ω,1mV/div)</td> <td>70 μVms@350MHz 90 μVms@500MHz 125 μVms@1 GHz</td> <td>✓</td> <td>not mentioned</td> <td></td> </tr> <tr> <td>ENOB</td> <td>8.3-bit@1GHz 8.5-bit@500MHz 8.6-bit@350MHz</td> <td>✓</td> <td>not mentioned</td> <td></td> </tr> </table>			channels	4	✓	2/4	✓	Bandwidth	350 /500 MHz, 1 GHz	✓	100/200/350 /500 MHz, 1 GHz	✓	Vertical resolution	12-bit 16-bit (ERES)	✓	10-bit 16 bit (ERES)	✗	Sample rate	One/Two channel mode:4 GSa/s Four channel mode: 2 GSa/s	✗	5 GSa/s half channel interleaved 2.5 GSa/s all channel	✓	Memory depth (Max.)	400 Mpts/ch (interleaving mode: single-channel) 200 Mpts/ch (interleaving mode: dual-channel) 100 Mpts/ch (non-interleaving mode)	✓	80 Mpts/ch(interleaving mode) 40 Mpts/ch (non-interleaving mode)	✗	Waveform capture rate	Normal mode: 200,000 wfms/s; Sequence mode: 890,000 wfms/s	○	Normal mode:64,000 wfms/s fast segmented memory mode:2,000,000 wfms/s	○	Noise floor (50Ω,1mV/div)	70 μVms@350MHz 90 μVms@500MHz 125 μVms@1 GHz	✓	not mentioned		ENOB	8.3-bit@1GHz 8.5-bit@500MHz 8.6-bit@350MHz	✓	not mentioned	
channels	4	✓	2/4	✓																																						
Bandwidth	350 /500 MHz, 1 GHz	✓	100/200/350 /500 MHz, 1 GHz	✓																																						
Vertical resolution	12-bit 16-bit (ERES)	✓	10-bit 16 bit (ERES)	✗																																						
Sample rate	One/Two channel mode:4 GSa/s Four channel mode: 2 GSa/s	✗	5 GSa/s half channel interleaved 2.5 GSa/s all channel	✓																																						
Memory depth (Max.)	400 Mpts/ch (interleaving mode: single-channel) 200 Mpts/ch (interleaving mode: dual-channel) 100 Mpts/ch (non-interleaving mode)	✓	80 Mpts/ch(interleaving mode) 40 Mpts/ch (non-interleaving mode)	✗																																						
Waveform capture rate	Normal mode: 200,000 wfms/s; Sequence mode: 890,000 wfms/s	○	Normal mode:64,000 wfms/s fast segmented memory mode:2,000,000 wfms/s	○																																						
Noise floor (50Ω,1mV/div)	70 μVms@350MHz 90 μVms@500MHz 125 μVms@1 GHz	✓	not mentioned																																							
ENOB	8.3-bit@1GHz 8.5-bit@500MHz 8.6-bit@350MHz	✓	not mentioned																																							

Other				
Timebase Accuracy	±2 ppm initial (0~50°C); 1st year aging: ±0.5 ppm 20-year aging: ±3 ppm	✓	2.5ppm	✗
DC gain accuracy	0.5 mV/div ~ 4.95 mV/div: ±1.5 % 5 mV/div ~ 10 V/div: ±0.5 %	✓	> 5 mV/div: ±1.5 %; ≤ 5 mV/div: ±0.5 %	✓
I/O	2×USB Host 3.0, 1×USB Host 2.0, 1×USB Device 3.0, LAN, EXT TRIG, AUX OUT	✓	1×USB device 2.0, 1×USB host 2.0, LAN, EXT TRIG, AUX OUT	✗
Display	10.1"	✓	10.1"	✓
weight	Net Weight 4.1 kg Gross Weight 5.6 kg	✗	3.3kg	✓
Dimensions	W × H × D=317.2 × 236 × 149mm	✓	W × H × D=390 × 220 × 152mm	✗
Common Specifications				
Sequence	80.000	✓	not mentioned	
Search	support	✓	support	✓
Navigate	support	✓	support	✓
DVM	4-digit	✓	3-digit	✗
Counter	7-digit	✓	6-digit	✗
Trigger type	Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video, Qualified, Nth edge, Setup/hold, Delay, Serial	✓	edge, width, video (PAL, NTSC, SECAM, PAL-M, SDTV 576i, HDTV 720p, HDTV 1080i, HDTV 1080p), pattern, line, serial bus, timeout	✓
Zone Trigger	support	✓	not support	✗

Measure	Max, Min, Pk-Pk, Top, Base, Amplitude, Mean, Cycle Mean, Stdev, Cycle Stdev, RMS, Cycle RMS, Median, Cycle Median, FOV, FPRE, ROV, RPRE, Level@Trigger, Period, Frequency, Time@max, Time@min, +Width, -Width, 10-90%Rise time, 90-10%Fall time, Rise time, Fall time, +Burst Width, -Burst Width, +Duty Cycle, -Duty Cycle, Delay, Time@Middle, CycleCycle jitter, +Area@DC, -Area@DC, Area@DC, Absolute Area@DC, +Area@AC, -Area@AC, Area@AC, Absolute Area@AC, Cycles, Rising Edges, Falling Edges, Edges, Positive pulses, Negative pulses, Positive Slope, Negative Slope, Phase, FRFR, FRFF, FFFR, FFFF, FRLR, FRLF, FFLR, FFLF, Skew, Tsu@R, Tsu@F, Th@R, Th@F	✓	burst width, count positive pulses, count, negative pulses, count falling edges, count, rising edges, mean value, RMS cycle, RMS, mean cycle, peak peak, peak+, peak-, frequency, period, amplitude, top level, base level, positive overshoot, negative overshoot, pulse width+, pulse width-, duty cycle+, duty cycle-, rise time, fall time, delay, phase, crest factor, slew rate+, slew rate-, σ .std. deviation, σ .std. deviation cycle, delay to trigger,	✓
Math	FFT, +, -, x, ÷, \int dt, d/dt, $\sqrt{\quad}$, Identity, Negation, x , Sign, ex, 10x, ln, lg, Interpolation, Max hold, Min hold, ERES, Average, Formula Editor	✓	+, -, *, /, FFT, 21 advanced functions	✓
FFT	4 Mpts	✓	128kpts	✗
Important features				
Serial trigger and decode	standard: I2C, SPI, UART, CAN, LIN optional: CAN FD, FlexRay, I2S, MIL-STD-1553B, SENT, Manchester (decode only)	✓	optional: I2C, SPI, RS232/422/485/UART, CAN, LIN, audio (I ² S/LJ/RJ/TDM), ARINC, MIL-STD-1553	✗
bode plot	standard	✓	optional	✗
Mask Test	standard	✓	standard	✓
Power Analysis	optional	✓	optional	✓
Waveform generator	optional (50 MHz)	✓	optional (50 MHz)	✓
digital channels	optional (16)	✓	optional (16)	✓

models	 <p>SDS3000X HD</p>	 <p>InfiniiVision 3000G X</p>		
Key Specifications				
channels	4	✓	2/4	✓
Bandwidth	350 /500 MHz, 1 GHz	✓	100/200/350 /500 MHz,1 GHz	✓
Vertical resolution	12-bit 16-bit (ERES)	✓	8-bit 12-bit (ERES)	✗
Sample rate	One/Two channel mode:4 GSa/s Four channel mode: 2 GSa/s	✗	5 GSa/s half channel interleaved 2.5 GSa/s all channel	✓
Memory depth (Max.)	400 Mpts/ch (interleaving mode: single-channel) 200 Mpts/ch (interleaving mode: dual-channel) 100 Mpts/ch (non-interleaving mode)	✓	4 Mpts/ch(interleaving mode) 2 Mpts/ch (non-interleaving mode)	✗
Waveform capture rate	Normal mode: 200,000 wfm/s; Sequence mode: 890,000 wfm/s	✗	1,000,000 wfms/s	✓
Noise floor (50Ω,1mV/div)	70 μVms@350MHz 90 μVms@500MHz 125 μVms@1 GHz	✓	not mentioned	
ENOB	8.3-bit@1GHz 8.5-bit@500MHz 8.6-bit@350MHz	✓	not mentioned	
Other				

Timebase Accuracy	±2 ppm initial (0~50°C); 1st year aging: ±0.5 ppm 20-year aging: ±3 ppm	×	± 1.6 ppm + aging factor 1st year: ± 0.5 ppm 2nd year: ± 0.7 ppm 5 years: ± 1.5ppm 10 years: ± 2.0 ppm	✓
DC gain accuracy	0.5 mV/div ~ 4.95 mV/div: ±1.5 % 5 mV/div ~ 10 V/div: ±0.5 %	✓	± 2.0 %	×
I/O	2×USB Host 3.0, 1×USB Host 2.0, 1×USB Device 3.0, LAN, EXT TRIG, AUX OUT	✓	1×USB device 2.0, 2×USB host 2.0, LAN, EXT TRIG, GPIB(optional)	✓
Display	10.1"	✓	8.5"	×
weight	Net Weight 4.1 kg Gross Weight 5.6 kg	✓	Net: 4.2 kg Shipping: 4.4 kg	✓
Dimensions	W × H × D=317.2 × 236 × 149mm	✓	W × H × D=381 × 204 × 142mm	×
Common				
Sequence	80.000	✓	1.000	×
Search	support	✓	support	✓
Navigate	support	✓	support	✓
DVM	4-digit	✓	3-digit	×
Counter	7-digit	×	8-digit	✓
Trigger type	Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video, Qualified, Nth edge, Setup/hold, Delay, Serial	✓	Edge, Edge then edge, Pulse width, Runt, Setup and hold, Rise/fall time, Nth edge burst, Pattern, Or, Video, Enhanced Video, Serial	✓
Zone Trigger	support	✓	support	✓

Measure	Max, Min, Pk-Pk, Top, Base, Amplitude, Mean, Cycle Mean, Stdev, Cycle Stdev, RMS, Cycle RMS, Median, Cycle Median, FOV, FPPE, ROV, RPRE, Level@Trigger, Period, Frequency, Time@max, Time@min, +Width, -Width, 10-90%Rise time, 90-10%Fall time, Rise time, Fall time, +Burst Width, -Burst Width, +Duty Cycle, -Duty Cycle, Delay, Time@Middle, CycleCycle jitter, +Area@DC, -Area@DC, Area@DC, Absolute Area@DC, +Area@AC, -Area@AC, Area@AC, Absolute Area@AC, Cycles, Rising Edges, Falling Edges, Edges, Positive pulses, Negative pulses, Positive Slope, Negative Slope, Phase, FRFR, FRFF, FFFR, FFFF, FRLR, FRLF, FFLR, FFLF, Skew, Tsu@R, Tsu@F, Th@R, Th@F	✓	Peak-to-peak, maximum, minimum, amplitude, top, base, overshoot, preshoot, average- N cycles, average- full screen, DC RMS- N cycles, DC RMS- full screen, AC RMS- N cycles, AC RMS- full screen (std deviation), ratio- N cycle, ratio- full screen, Y at X, Period, frequency, counter, T at edge, + width, - width, burst width, +duty cycle, -duty cycle, bit rate, rise time, fall time, delay, phase, X at min Y, X at max Y, Positive pulse count, negative pulse count, rising edge count, falling edge count, Area- N cycles, area- full screen, slew rate, Channel power, occupied bandwidth, adjacent power ratio, total harmonic distortion	✓
Math	FFT, +, -, x, ÷, ∫dt, d/dt, √, Identity, Negation, x , Sign, ex, 10x, ln, lg, Interpolation, Max hold, Min hold, ERES, Average, Formula Editor	✓	+, -, x, ÷, differentiate, integrate, FFT, Ax + B, squared, square root, absolute value, common logarithm, natural logarithm, exponential, base 10 exponential, low pass filter, high pass filter, averaged value, smoothing, envelope, magnify, max hold, min hold, measurement trend, chart logic bus (Timing or State), chart serial signal	✓
FFT	4 Mpts	✓	64kpts	✗
Improtant				
Serial trigger and decode	standard: I2C, SPI, UART, CAN, LIN optional: CAN FD, FlexRay, I2S, MIL-STD-1553B, SENT, Manchester (decode only)	✓	standard: I2C, SPI, RS232/422/485/UART, I2S optional: CAN, CAN FD, LIN, SENT, CXPI, FlexRay, MIL-STD 1553, ARINC 429, USB PD, USB 2.0	✓
bode plot	standard	✓	standard	✓
Mask Test	standard	✓	standard	✓

Power Analysis	optional	✓	optional	✓
Waveform generator	optional (50 MHz)	✗	standard (20MHz)	✓
digital channels	optional (16)	✓	optional (16)	✓