



SIGLENT SDS1000X-E series



RIGOL DS1000Z series

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|---------------------------------------|---|---|---|
| Bandwidth | 100 to 200 MHz | ✓ | 70 to 100 MHz |
| Analog channels | 2/4 CH | ✓ | 4 CH |
| Max. real-time sample rate | 1 GSa/s | ✓ | 1 GSa/s |
| Max. memory depth | 14 Mpts | ✓ | 12 Mpts, 24 Mpts(optional) |
| FFT | 1 Mpts | ✓ | Less than 512Kpts |
| Waveform capture rate(Normal mode) | 100,000 wfm/s | ✓ | 30,000 wfm/s |
| Max. waveform capture rate(Sequence) | 400,000 wfm/s | ✓ | Not Support |
| Serial trigger and decode | I ² C, SPI, UART/RS232, CAN, LIN(Standard) | ✓ | I ² C, SPI, UART/RS232 (Optional) |
| 256-level intensity grading and color | Support | ✓ | Only 256-level intensity grading |
| Vertical sensitivity | 500 uV ~ 10 V/div | ✓ | 1 mV ~ 10 V/div |
| Timebase | 1 ns ~ 100 s/div | ✓ | 5 ns ~ 50 s/div |
| Sequence function | Support, minimum dead time low to 2.5 μs | ✓ | No Support |
| History function | Support, maximum of 80,000 frames can be recorded | ✓ | Support, maximum of 60,000 frames can be recorded |
| AWG Function | Support,25 MHz | ✓ | Support, 25MHz |

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| Bode Plot | Support | ✓ | Not Support |
| MSO Function | Support | ✓ | Support |
| WIFI | Support | ✓ | Not Support |
| Enhanced / high resolution mode | Support | ✓ | Support |
| Trigger type | Edge , slope, pulse width, window , Runt, Interval, Dropout, Pattern , video (support HDTV) | ✓ | Edge, pulse width, Runt,Window,Nth Edge,Solpe,video (NTSC, PAL, SECAM and 480P,576P), Pattern,Delay,Time out, setup and hold, pattern/state |
| Auto measurement and statistics | Support 38 Types, 6 Types statistics info: value, mean, min, max, stev, num | ✓ | Support 33 Types |
| Pass/Fail (Mask test) | Support, Hardware-Based | ✓ | Support, Hardware-Based |
| Interface | USB Host & Device,LAN,AUX (Pass/Fail,Trigger Out) | ✓ | Host & Device, LAN, AUX (Pass/Fail, Trigger C |
| Display | 7 inch (800*480), 8*14 grid display | ✓ | 7 inch WVGA, 8*12 grid display |
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| X |
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