

		Siglent		UNI-T		Rigol	Keysight	
		SDS1104X-E	SDS1204X-E	UPO3154E	UPO3254E	DS1104Z Plus	DSOX1204A	DSOX1204A
Bandwidth		100MHz	200MHz	150Mhz	250MHz	100MHz	100MHz	200MHz
Channels		4	4	4	4	4	4	4
Input Impedance		1MOhm+/-2% 15pF +/-2pF	1MOhm+/-2% 15pF +/-2pF	1MOhm+/-2% 18pF +/-3pF	1MOhm+/-2% 18pF +/-3pF	1MOhm+/-1% 15pF +/-3pF	1MOhm+/-1% 16pF +/-3pF	1MOhm+/-1% 16pF +/-3pF
Input Safety Rating		N/A 1 MΩ: ≤400 Vpk (DC + Peak AC <=10 kHz)	N/A 1 MΩ: ≤400 Vpk (DC + Peak AC <=10 kHz)	CATI 300VRMS CATII 100VRMS Transient 1000Vpk	CATI 300VRMS CATII 100VRMS Transient 1000Vpk	CATI 300VRMS CATII 100VRMS Transient 1000Vpk	N/A 150VRMS 200Vpk	N/A 150VRMS 200Vpk
Sample Rate	Single Channel	1GSa/s	1GSa/s	2.5GSa/s	2.5GSa/s	1GSa/s	2GSa/s	2GSa/s
	Multiple Channels	500MSa/s	500MSa/s	1.25GSa/s	1.25GSa/s	500MSa/s / 250MSa/s	1GSa/s	1GSa/s
Rise Time		3.5n/s	1.8n/s	≤2.4ns	≤1.4ns	3.5ns	≤3.5ns	≤1.7ns
Peak Detect		2ns	2ns			4ns	10ns	10ns
Memory Depth	Single Channel	14Mpts/CH	14Mpts/CH	7Mpts/CH (70Mpts Option)	7Mpts/CH (70Mpts Option)	24Mpts	1Mpts	1Mpts
	Multiple Channels	7Mpts/CH	7Mpts/CH	7Mpts/CH (70Mpts Option)	7Mpts/CH (70Mpts Option)	12Mpts / 6Mpts	1Mpts	1Mpts
Vertical Resolution		8-bit	8-bit	8-bit	8-bit	8-bit	8-bit	8-bit
Vertical Scale		500 μV/div - 10 V/div	500 μV/div - 10 V/div	1mV/div ~ 20V/div	1mV/div ~ 20V/div	1mV/div ~ 10V/div	1mV/div ~ 10V/div	1mV/div ~ 10V/div
Vertical Bandwidth Limit		20 MHz ±40%	20 MHz ±40%	20MHz	20MHz	20MHz		
Horizontal Scale		1.0 ns/div-100 s/div	1.0 ns/div-100 s/div	2ns/div ~ 40s/div	2ns/div ~ 40s/div	5ns/div ~ 50s/div	5ns/div ~ 50s/div	5ns/div ~ 50s/div
Waveform Capture Rate		100000 wfms/s	100000 wfms/s	200000 wfms/s	200000 wfms/s	30000 wfms/s		
Waveform Record	Single Channel			100000 frames	100000 frames	60000 frames		
	Multiple Channels							
Interfaces		USB Host USB Device LAN Pass/Fail Trig Out Sbus	USB Host USB Device LAN Pass/Fail Trig Out Sbus	USB Host USB Device LAN EXT Trig AUX Out (Trig Out, Pass/Fail) VGA	USB Host USB Device LAN EXT Trig AUX Out (Trig Out, Pass/Fail) VGA	USB Host USB Device LAN AUX Out (Trig Out, Pass/Fail)	USB Host USB Device LAN	USB Host USB Device LAN
Decode Options		UART I2C SPI CAN LIN	UART I2C SPI CAN LIN	RS232/UART I2C SPI USB CAN LIN FlexRay	RS232/UART I2C SPI USB CAN LIN FlexRay	RS232/UART I2C SPI	RS232/UART I2C SPI CAN LIN	RS232/UART I2C SPI CAN LIN
Display		7" 800x480 LCD	7" 800x480 LCD	8" 800x480 LCD	8" 800x480 LCD	7" 800x480 LCD	7" 800x480 LCD	7" 800x480 LCD
Weight		2.6Kg	2.6Kg	4.2Kg	4.2Kg	3.2Kg	3.23Kg	3.23Kg
Dimensions		312x132.6x151mm	312x132.6x151mm	370x195x125mm	370x195x125mm	313.1x160.8x122.4mm	314x165x130mm	314x165x130mm