XDS3000-E Series 4CH DSO

+ 60MHz / 100MHz Bandwidth , 1GS/s sample rate
+ 8-bit, 12-bit or 14-bit high resolution ADC
+ 40M record length 45,000 wfms/s waveform refresh rate
+ low back ground noise
+8 inch 800 x 600 high resolution LCD, optional multi-touch screen, more user-friendly operation experience
+ SCPI, and LabVIEW supported
+ multi- trigger, and bus decoding function
+ multi-interface integration - USB host, USB device, USB port for PictBridge, LAN, AUX, and VGA

+ Performance Specifications

Model	XDS3064E	XDS3104E	XDS3064AE	XDS3104AE
Bandwidth	60MHz	100MHz	60MHz	100MHz
Sample Rate	1GS/s			
Vertical Resolution (A/D))	8 bits		14 bits	
Record length	40M			
Waveform Refresh Rate	45,000 wfms/s			
Horizontal Scale (s/div))	2ns/div - 1000s/div, step by 1 - 2 - 5			
Rise Time (at input, typical)	≤5.8ns	≤3.5ns	≤5.8ns	≤3.5ns
Channel	4			
Display	8" color LCD, 800 x 600 pixels display			
Input Impedance	1MΩ ± 2%, in parallel with 15pF ± 5pF			
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1			
Max Input Voltage	1MΩ ≤ 300Vrms;			
DC Gain Accuracy	±3%			
DC Accuracy	average≥16 : ± (3% +0.05div) for △V			
Probe Attenuation Factor	0.001X - 1000X, step by 1 - 2 - 5			
LF Respond (AC, -3dB)	≥5Hz			
Sample Rate / Relay Time Accuracy	±1ppm			
Interpolation	(sinx) / x , x			
Interval (▵T) Accuracy (full bandwidth)	Single: ±(1 interval time + 1ppm x reading + 0.6ns); Average > 16: ±(1 interval time + 1ppm x reading + 0.4ns)			
Input Coupling	DC, AC, GND			
Vertical Sensitivity	1mV/div - 10V/div (at input)			
Trigger Type	Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I^2C, SPI, RS232, and CAN (optional)			
Bus Decoding(optional)	I^2C, SPI, RS232, CAN			
Trigger Mode	Auto, Normal, and Single			
Vertical Range	±2V(1mV/div～50mV/div) ; ±20V(100mV/div～1V/div) ; ±200V(2V/div～10V/div)			
Line / Field Frequency (video)	NTSC, PAL and SECAM standard			
Cursor Measurement	△V, and △T between cursors, △V and △T between cursors, and auto- cursors			

Automatic Measurement		Vpp, Vavg, Vrms, Freq, Period, Week RMS, Cursor RMS, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Phase A→B ↑, Phase A→B↓, Preshoot, Rise Time, Fall Time,+Width, -Width, +Duty, -Duty, Duty Cycle, Delay A→B ↑, Delay A→B↓, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edges Count, Area, Cycle Area
Waveform Math		+, -, ×, ÷, FFT
Waveform Storage		100 waveforms
Lissajou's Figure	full bandwidth	Full bandwidth
	±3 degrees	±3 degrees
Communication Interface		USB host, USB device, Trig Out (P/F), LAN, and VGA (optional)
Frequency Counter		available
Power Supply		100V - 240V AC, 50/60Hz, CAT II
Fuse		2A, T class, 250V
Battery (optional)		3.7V, 13200mA
Dimension (W x H x D)		340mmx177mmx90mm

+ Multimeter (optional) Specifications

Full Scale Reading	3¾ digits (max 4000 count)	**Diode**	0V -1.5V
Input Impedance	10MΩ	**Continuity Test**	<50 (±30) beeping
Capacitance	51.2nF - 100uF: ±(3% ± 3 digits)		
Voltage	DCV: 400mV, 4V, 400V: ±(1 ± 1 digit); max input: DC 1000V ACV: 4V, 40V, 400V: ±(1 ± 3 digits); frequency: 40Hz - 400Hz; max input: AC 750V (virtual value)		
Current	DCA: 40mA, 400mA: ±(1.5% ± 1 digit); 10A: ±(3% ± 3 digits) ACA: 40mA: ±(1.5% ± 3 digits), 400mA: ±(2% ± 1 digit), 10A: ±(3% ± 3 digits)		
Impedance	400Ω: ±(1% ± 3 digits),4KΩ - 40MΩ: ±(1% ± 1 digit)		

+ Arb Waveform Generator (optional) Specifications (only apply to XDS3064E, XDS3104E)

Max Frequency Output	25MHz
Sample Rate	125MS/s
Channel	2 channels
Vertical Resolution	14 bits
Amplitude Range	2mVpp - 6Vpp
Waveform Length	8K
Standard Waveform	Sine, Square, Pulse, Ramp
Arbitrary Waveform	Exponential Rise, Exponential Fall, Sin(x)/x, Step Wave, Noise, and others, total 46 built-in waveforms, and user-defined arbitrary waveform

+ Optional Module / Function

VGA	VGA+AV port
WIF	Wifi
AWG	arb waveform generator
DMM	digital multimeter
MTS	Touch screen(capacitor-type)

+ Optional Decoding Kit

RS232	RS232
SPI	SPI
I²C	I²C
CAN	CAN

+ Application

electronic circuit debugging circuit testing design and manufacture
education and training automobile maintenance and testing

+ Accessories

The accessories subject to final delivery.

Fujian Lilliput Optoelectronics Technology Co., Ltd
Web: www.owon.com.cn / www.owontme.com E-mail: info@owon.com.cn Facebook: fb.me/owont

mobile app accessible via

Power Cord CD Rom Manual USB Probe Probe Adjust

optional accessories:

Multimeter Lead

Q9

Capacitance Ext Module

Battery

Soft Bag