owon®

XDS3000-E Series 4CH DSO

+ 60MHz Bandwidth , 1GS/s sample rate

+ 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
Bandwidth	60MHz
Sample Rate	1GS/s
Vertical Resolution (A/D))	8 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
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)	≥10Hz
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, I²C, SPI, RS232, and CAN (optional)
Bus Decoding(optional)	I²C, 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, 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, USB port for PictBridge, 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

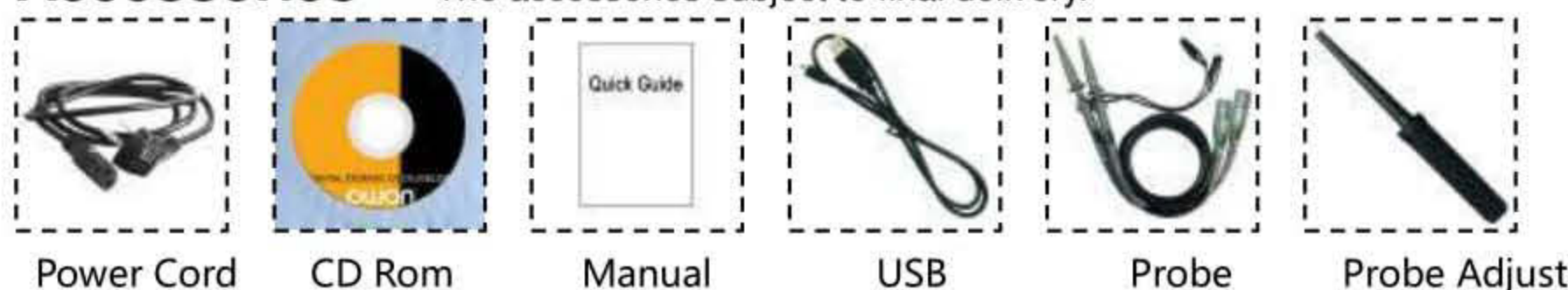|	
Max Frequency Output	25MHz
Sample Rate	125MS/s
Channel	2 channel (only apply to XDS3064E, XDS3104E)
Vertical Resolution	14 bits
Amplitude Range	2mVpp - 6Vpp
Waveform Length	8K
Standard Waveform	Sine, Square, Pulse, Ramp
Arbitrary Waveform	Exponential Rise, Exponential Fall, Sin(x)/x, Step Wave, Noise, 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

+ Accessories

The accessories subject to final delivery.

Power Cord | CD Rom | Manual | USB | Probe | Probe Adjust

optional accessories:

Multimeter Lead | Q9 | Capacitance Ext Module | Battery | Soft Bag