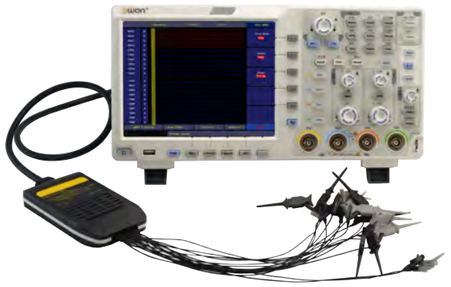
OWON

4-CH

XDS3064E

your powerful n-in-1 on-site measurement station



+ 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

CE

+ 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)	≥5Hz
Sample Rate / Relay Time Accuracy	±2.5ppm
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, Phase A→B, Phase A→B, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edges Count, Area, Cycle Area
Waveform Math	+, -, *, / ,FFT, FFTrms, Intg, Diff, Sqrt, User Defined Function, digital filter (low pass, high pass, band pass, band reject)
Waveform Storage	100 waveforms
Lissajou's Figure — full bandwidth	Full bandwidth
Lissajou's Figure — ±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

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	arbitrary waveform generator
DMM	digital multimeter
TOU*	touch screen (capacitor-type)

+ Optional Decoding Kit

RS232	RS232
SPI	SPI
I2C	I²C
CAN	CAN decoding

「Logic Analyzer」 Performance Specifications

Sample Rate	20S/s - 1GS/s
Bandwidth	100MHz
Channel	16
Record Length	4M points
Trigger Mode	Edge, Bus, State, Data Alignment, Data Width, and Distributed Queue
Trigger Position Setting	Pre-trigger, Mid-trigger, and Re-trigger

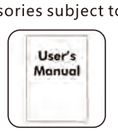
Specifications subject to change without prior notice.

+ Accessories

The accessories subject to final delivery.

Power Cord

CD Rom



Manual

USB Cable

Probe

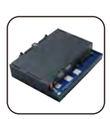
Probe Adjust

optional accessories:

Multimeter Lead

Q9

Capacitance Ext Module



Battery

Soft Bag

mobile app accessible via scanning QR code