



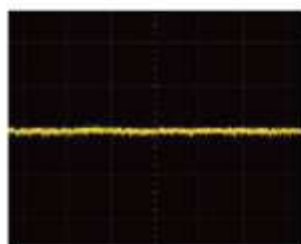
XDS3204AE 4CH DSO

- + 200MHz Bandwidth, 1GS/s sample rate
- + 14-bit high resolution ADC
- + 40M record length 70,000 wfms/s waveform refresh rate
- + low back ground noise
- + 8 inch 800 x 600 multi-touch LCD, 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

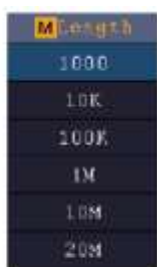
1. XDS3204AE introduce 14 bits hardware ADC, the precision is 64 times against other oscilloscope on market. Equipping with OWON' s original magnifier function, it can observe the signal low down to $31.25\mu\text{V}/\text{div}$.



2. Xvisual platform - restore the waveform detail fully



low background noise



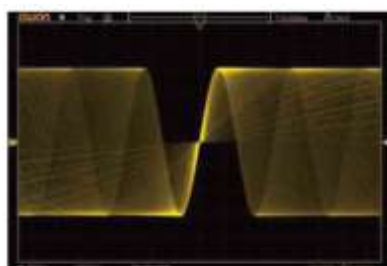
40M record length



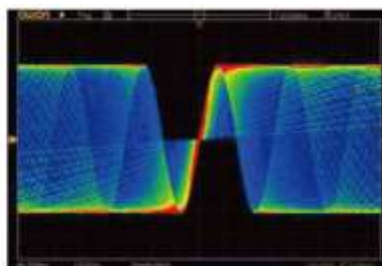
and 45,000 wfms/s refresh rate, easily capturing exceptional, and low probability events



3. multi-level grayscale, and color temperature display



within certain unit time, more frequent one waveform pixel appears, more vivid it is



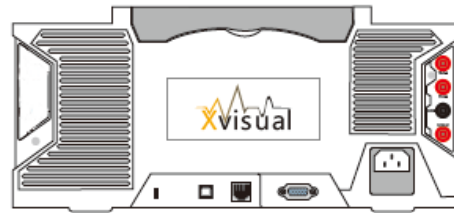
the frequency of waveform reflecting in color temperature value, larger the value is, more frequent the waveform appears

4. multi-trigger supported - Logic, Time-out, I²C, SPI, RS232, Runt, Windows, Nth Edge, and CAN
5. serial bus coding available in I2C, SPI, RS232, and CAN

M Bus Type
RS232
I2C
SPI
CAN

M Single
Edge
Video
Pulse
Slope
Runt
Windows
Timeout
Nth Edge

6. built-in multimeter module, with auto-scale, and data logging function



7. its built-in WiFi module facilitates mobile device connecting with XDS series product, to get access to remote control, together with simultaneous measurement result display



8. Its multi-point touch function improves operation efficiency considerably



via app s/w, waveform data-saving, checking, co-sharing is possible, co-analyzing hence realizes

10. optional battery makes floating measurement possible, advancing the operation convenience



+ Performance Specifications

Model		XDS3204AE
Bandwidth		200MHz
Sample Rate		1GS/s
Vertical Resolution (A/D))		14 bits
Record length		40M
Waveform Refresh Rate		70,000 wfms/s
Horizontal Scale (s/div))		2ns/div - 1000s/div, step by 1 - 2 - 5
Rise Time (at input, typical)		≤1.7ns
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 ΔV
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 (ΔT) 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 ² C, SPI, RS232, and CAN (optional)
Bus Decoding(optional)		I ² C, 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		ΔV, and ΔT between cursors, ΔV and ΔT between cursors, and auto- cursors
Automatic Measurement		Vpp, Vavg, Vrms, Freq, Period, Peak 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, 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)		

+ Optional Module / Function

VGA	VGA+AV port
WIF	Wifi
AWG	1ch 25MHz arb waveform generator
DMM	digital multimeter
MTS	Touch screen(capacitor-type)

+ Standard Decoding Kit

RS232	RS232
SPI	SPI
I²C	I²C
CAN	CAN

+ Application

electronic circuit debugging
education and training

circuit testing design and manufacture
automobile maintenance and testing

+ Accessories The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB



Probe



Probe Adjust



Multimeter
Lead



Q9
Ext Module



Capacitance



Battery



Soft Bag



mobile app accessible via
scanning QR code