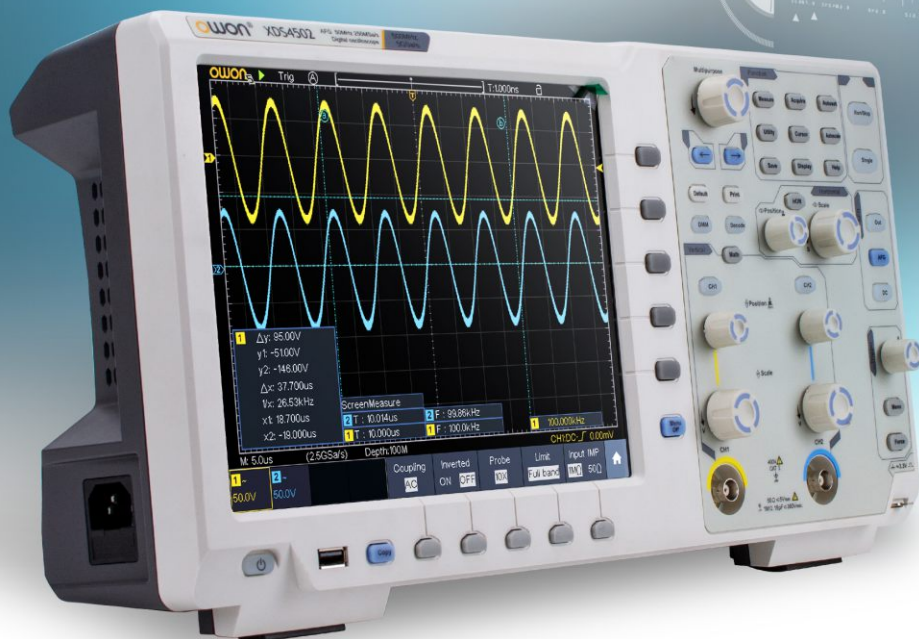


NEW n-in-1 500MHz bandwidth 10.4" Touchscreen Digital Oscilloscope

XDS4502



6-digit
frequency counter

Oscilloscope
500MHz
5GS/s

Waveform
Generator
50MHz
250MS/s

Multimeter
4 1/2 digits

10.4"
TOUCH SCREEN

RS232
I2C
SPI
CAN

+ Performance Specifications

Model	XDS4502
Bandwidth	500MHz
Sampling Rate	5GS/s
Horizontal Scale (s/div)	500ps/div - 1000s/div, step by 1 - 2 - 5
Channel	2
Display	10.4" color LCD
Record Length	400M
Waveform Refresh Rate	600,00 wfms/s
Vertical Sensitivity	1MΩ: 1mV/div - 10V/div; 50Ω: 1mV/div - 1V/div
Vertical Resolution (A/D)	8 bits
Input Impedance	1 MΩ ± 2%, in parallel with 15 pF ± 5 pF, 50Ω ± 2%
Max Input Voltage	400 V (DC + AC Peak)
DC Gain Accuracy	1mV = ± 3%, ≥ 2mV = ± 2%
Sampling Rate / Relay Time Accuracy	± 2.5 ppm max (Ta = +25°C ± 5°C)
Input Coupling	DC, AC, Ground
Trigger Type	Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I2C, SPI, RS232, CAN
Decoding Type	RS232, I2C, SPI, CAN
Trigger Mode	Auto, Normal, Single
Line / Field Frequency (video)	NTSC, PAL and SECAM standard

+ Performance Specifications

Automatic Measurement	Period, Frequency, Mean, PK-PK, RMS, Max, Min, Top, Base, Amplitude, Overshoot, Preshoot, Rise Time, Fall Time, +Pulse Width, -Pulse Width, +Duty Cycle, -Duty Cycle, FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF, Delay A→B  , Delay A→B  , Phase A→B  , Phase A→B  , Cycle RMS, Cursor RMS, Screen Duty, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edge Count, Area, and Cycle Area
Waveform Math	A+B, A-B, A*B, A/B, FFT, FFT rms, Intg, Diff, Sqrt, user-defined function, digital filter (low pass, high pass, band pass, band reject)
Waveform Storage	100 group
Communication Interface	USB host, USB device, LAN, VGA, Trig Out (pass / fail), Ext Trig In
Printer Compatibility	PictBridge
Dimension (w/h/d)	422 x 226 x 135 mm
Device Weight	0.5 kg

+ Arb Waveform Generator Specifications

Max. Frequency Output	50MHz
Sampling Rate	250MS/s
Channel	1
Vertical Resolution	14 bits
Amplitude Range	2mVpp - 5Vpp ($\leq 50\text{MHz}$); 2mVpp - 20Vpp ($\leq 25\text{MHz}$)
Waveform Length	16K
Standard Waveform	Sine, Square, Ramp, and Pulse
Arbitrary Waveform	Exponential Rise, Exponential Fall, Sin(x)/x, Step Wave, Noise, and others, total 64 built-in waveforms; and user-defined waveform also supported

+ Multimeter Specifications

Full Scale Reading	4½ digits
Auto Range	√
Measure	Voltage, Current, Capacitance, Resistance, Frequency, Duty Cycle, Continuity, Diode Test
Capacitance	2nF - 20mF: $\pm(4\% \pm 10\text{-digit})$
Voltage	DCV/ 20mV, 200mV: $\pm(0.5\% \pm 10\text{-digit})$; 2V, 20V, 200V: $\pm(0.3\% \pm 5\text{-digit})$; 1000V: $\pm(0.5\% \pm 5\text{-digit})$ ACV/ 200mV, 2V, 20V, 200V: $\pm(0.8\% \pm 10\text{-digit})$; 750V: $\pm(1\% \pm 10\text{-digit})$ Frequency: 40Hz - 400Hz
Current	DCA/ 20A: $\pm(2\% \pm 10\text{-digit})$; ACA/ 20A: $\pm(2.5\% \pm 10\text{-digit})$
Impedance	200Ω - 2MΩ: $\pm(0.8\% \pm 10\text{-digit})$; 20MΩ: $\pm(1\% \pm 10\text{-digit})$; 100MΩ: $\pm(5\% \pm 10\text{-digit})$

Specifications subject to change without prior notice.

+ Accessories The accessories subject to final delivery.



Manual



CD Software



Power Cord



USB Cable



Q9



Probe



Probe Adjust



Multimeter
Lead



Current
Extension Module