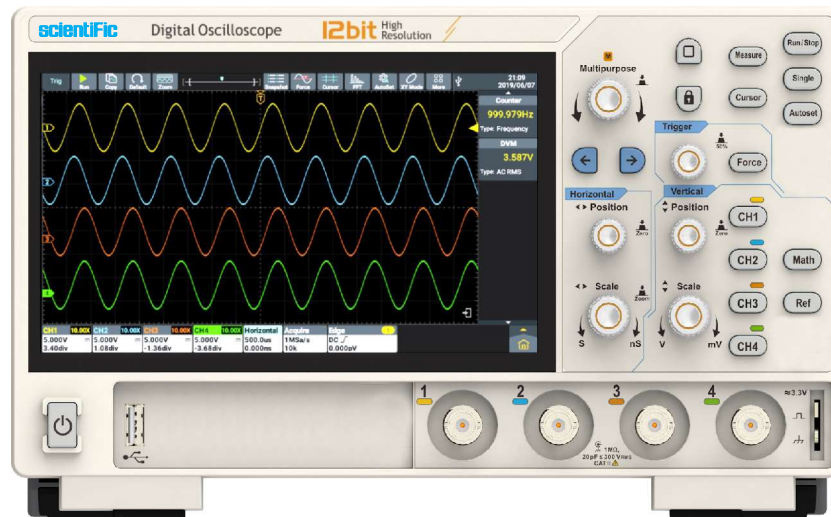


Digital Storage Oscilloscope SMO800X Series



Advance Features

- 70MHz~200MHz bandwidth, 1.25GSa/s real time sampling rate.
- 50M storage depth, up to 700,000 wfms/s waveform refresh rate.
- Vertical Accuracy is 200 μ V/div-10V/div.
- 1M-point FFT analysis ensure accurate frequency component display.
- 256 level grayscale and color persistence enhance waveform visualization.
- Equipped with HDMI, USB Device, USB Host, Trig Out (P/F), LAN supporting Web Control and SCPI command tools.
- Screen video recording for easy documentation and sharing.
- Enhanced FFT and ZOOM features provide clearer waveform display and cursor information.
- Convenient measurement statistics with measurement indicators
- 7inch touch screen with multi-touch support for an enhanced interactive experience

Technical Specifications	SMO802X	SMO812X	SMO822X	SMO804X	SMO814X	SMO824X
Bandwidth (-3 dB)	70MHz	100MHz	200MHz	70MHz	100MHz	200MHz
Channel	2			4		
Max. Sample Rate	Max 1.25GSa/s, 625MSa/s (Dual Channel), 312MSa/s (Four Channel)					
Acquire Mode	Sample, Peak, High Res. Average, Segmentation					
DC Gain Accuracy	3% (\leq 1mV), 2% (\geq 2 mV)					
Max Memory depth	50M					
Vertical Resolution	12bits					
Real Time Accuracy	\pm 25 ppm (typical)					
Max. Waveform Capture Rate	Max. 700,000wfms/s					
Vertical Sensitivity Range	500 μ V/div ~ 10 V/div					
Sampling Rate Range	1ns/div ~ 1000s/div, step by 1-2-5					
Input Impedance	1M Ω \pm 2%, Parallel with 20pF \pm 5 pF					
Probe Attenuation Coefficient	1.00 μ X ~ 1.00MX, step by 1-2-5 support custom					

Technical Specifications	SMO802X	SMO812X	SMO822X	SMO804X	SMO814X	SMO824X
Trigger Type	Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth, Logic, RS232/UART, I2C, SPI, CAN, LIN					
Bus decoding	RS232/UART, I2C, SPI, CAN, LIN					
Auto Measurement	Period, Frequency, +Width, -Width, Rise Time, Fall Time, Scr Duty, +Duty, -Duty, Vavg, Vpp, VRMS, Overshoot, Vmax, Vmin, Vtop, CycRms, Vbase, Vamp, Preshoot, Std Dev, +Pulse Cnt, -Pulse Cnt, Rise Cnt, Fall Cnt, Area, Cyc Area, Delay (A↑~B↑), Delay (A↑~B↓), Delay (A↓~B↑), Delay (A↓~B↓), Phase (A↑~B↑), Phase (A↑~B↓), Phase (A↓~B↑), Phase (A↓~B↓), FRR (A↑~B↑), FRF (A↑~B↓), FFR (A↓~B↑), FFF(A↓~B↓), LRR (A↑~B↑), LRF (A↑~B↓), LFR (A↓~B↑), LFF (A↓~B↓)					
Waveform Math	+, -, *, /, & , ^, !, Intg, Diff, Sqrt, Function operation (Lg/Ln/Exp/Abs/Sine/Cosine/Tan), FFT, FFT rms, User Defined, digital Filter (low pass, high pass, band pass, band reject)					
Frequency Counter	6-digit frequency counter. 7-Maximum frequency : Maximum analog bandwidth of oscilloscope					
Voltmeter	Support DC, AC + DCrms, ACrms, Resolution : 4 digits (ACV/DCV)					
General Specifications						
Communication Interface	HDMI, USB device, USB Host, Trig Out (P/F), LAN					
Display	7inch (1024 x 600), capacitive multi touch screen					
Power Supply Interface	Type-C					
Dimensions (W X H X D)	260 X 160 X 78mm					
Weight	1.5kg					
Accessories	Power Cord, USB Cable, Probe					

Subject to change

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