



Oscilloscope

OOSC4200

- 4 channel oscilloscope.
- 200 MHz bandwidth, 1 GSa/s sampling rate.
- Powerful trigger function: video, edge, pulse width, slope, overtime, alternate trigger.
- 7-inch 64 K color LCD display.
- 32 kinds of automatic measurements with FFT function.

Model		OOSC4200
Horizontal	Bandwidth	200 MHz
	Sampling Rate Range	1 GSa/s
	Equivalent Sampling Rate	25 GSa/s
	Memory Depth (Sample Points)	40 K
	SEC/DIV Range	2 ns/div ~ 80 s/div
	Delay Time Accuracy	±50 ppm in any ≥ 1 ms time intervals
	Delta time Measurement Accuracy (Full Bandwidth)	Single-shot, "sampling" mode, ± (1 sampling interval + 100 ppm × readings + 0.6 ns) >16 times above average, ± (1 sampling interval + 100 ppm × readings + 0.4 ns) Sampling interval = SEC/DIV + 200 8-bit resolution, each channel sampled simultaneously
Vertical	A/D Converter	2 mV/div ~ 10 V/div at input BNC
	VOLTS/DIV range	±50 V (5 V/div); ±40 V (2 V/div ~ 500 mV/div);
	Position Range	±2 V (200 mV/div ~ 50 mV/div); ±400 mV (20 mV/div ~ 2 mV/div)
	Rise Time at BNC	1.7 ns
	DC Gain Accuracy	±4% for sample or average acquisition made, 5 mV/div 2 mV/div ±3% for sample or average acquisition made, 5 V/div 10 mV/div
Trigger	Trigger Sensitivity (Edge Trigger type)	DC (Internal): 1 div from DC to 10 MHz, 1.5div from 10 MHz to 100 MHz 2div from 100 MHz to 200 MHz;
		DC (EXT): 200 mV from DC to 100 MHz, 350 mV from 100 MHz to 200 MHz
		DC (EXT/5): 1 V from DC to 100 MHz, 17.5 V from 100 MHz to 200 MHz
		AC: Attenuates signals below 10 Hz
		HF Reject: Attenuates signals when above 80 kHz
		LF Reject: The same as DC coupling limit when frequency above 150 kHz Attenuates signals when below 150 kHz
	Trigger Level Range	CH1, CH2, CH3, CH4: ±8 divisions from center of screen; EXT: ±1.2 V; EXT/5: ±6 V
	Typical accuracy for signals	CH1, CH2, CH3, CH4: ± (0.2 div × V/div) (within ± 4 divisions from center of screen)
	Having Rise and Fall Time ≥20 ns)	EXT: ± (6% of setting + 40 mV); EXT/5: ± (6% of setting + 200 mV)
	Holdoff Range	100 ns-10 s
Set Trigger Level to 50% (Typical)	For the input signals ≥ 50 Hz	
Trigger Type	Video, edge, pulse width, slope, overtime, alternate trigger	
Acquisition	Normal Peak Detect	Upon single acquisition on all channels simultaneously
	Average	After N acquisitions on all channels simultaneously; N can be set to 4, 8, 16, 32, 64 or 128
Input	Input Coupling	DC, AC or GND
	Input Impedance, DC coupled	1 MΩ ±2% for 20 pF ± 3 pF
	Probe Attenuation	1x, 10x
	Supported Probe Attenuation Factor	1x, 10x, 100x, 1000x
	Max Input Voltage	CAT I and CAT II: Installation type: 300 VRMS (10x); CAT III: 150 VRMS (1x)
Measurement	Cursors	The difference between voltage cursors ΔT;
		The difference between time cursors ΔT;
		Reciprocal of Δ T in hertz (1/ΔT)
	Automatic	Frequency, period, mean, pk-pk, cyc rms, minimum, maximum, rise time
		Fall time, +pulse width, -pulse width, delay1-2rise, delay1-2fall, +duty, -duty Vbase, Vtop, Vmid, Vamp, overshoot, preshoot, period mean, period RMS, FOVshoot, RPRESshoot, Bwidth, FRF, FFR, LRR, LRF, LFR, LFF
Other	Display	7-inch 64 K color LCD: 800 × 480 pixels; adjustable (16 gears) with the progress bar
	Voltage	100-120 VACRMS (±10%), 45 Hz to 440 Hz, CAT II; 120-240 VACRMS (±10%), 45 Hz to 66 Hz, CAT II
	Power	<30 W
	Fuse	2 A, T rating, 250 V
	Size & Weight	313 mm × 108 mm × 142 mm (L x W x H); 2.08 kg (without packing)