DSO 2000 Series Oscilloscope

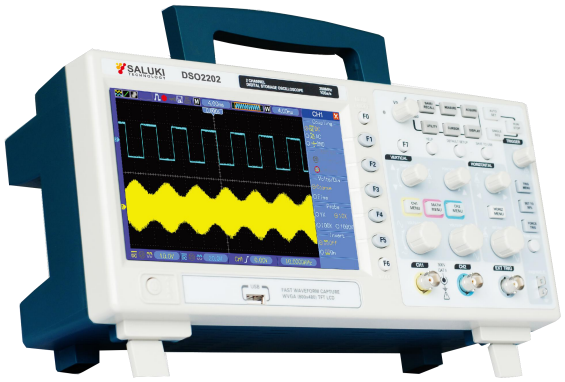
(70MHz / 10MHz / 200MHz, 1GSa/s, 40K Memory Depth)

Key Features

- 200 / 100 / 70MHz bandwidths
- 1GSa/s Real Time sample rate
- 7'' large color display, WVGA (800x480)
- 2 Channels, 40K Memory Depth
- 32 kinds of Automotive measurement, with FFT function.
- Powerful trigger function: Video, Edge, Pulse Width, Slope, Overtime, Alternate etc.
- Provides software for PC Real-Time analysis
- Support U disk and local files storage.
- Pass / Fail Function enables to output testing results
- Built in Bode diagram Assistant

Typical Applications

- Design and Debug
- Education and training
- Manufacturing Test and Quality Control
- Service and Repair
- Electronic Circuit Designing and Testing



Saluki DSO2000 Series Oscilloscope provides you with affordable performance in a compact design. Packed with standard features-including USB connectivity, 32 automated measurements, limit testing, data loading, and context-sensitive make the instruments help you get more done in less time. Digital Precision for accurate measurements with up to 200MHz bandwidth and 1GS/s maximum sample rate, no other digital storage oscilloscope offers as much bandwidth and sample rate for the price. Also Saluki provides real time sampling with a minimum of 10X oversampling on all channels, all the time to accurately capture your signals.

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SALUKI TECHNOLOGY

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Technical Specifications

Model	DSO2202	DSO2102	DSO2072
Horizontal			
Bandwidth	200MHz	100MHz	70MHz
Sampling Rate Range	1GSa/s		
Equivalent Sample Rate	25GSa/s		
Memory Depth	40K		
SEC / DIV Range	2ns/div - 80s/div	4ns/div - 80s/div	
Delay Time Accuracy	±50ppm in any ≥1ms time intervals		
Delta Time Measurement Accuracy (full bandwidth)	Single-shot, "sampling" mode, ± (1 sampling interval + 100ppm × readings + 0.6ns)		
	> 16 times above average, ± (1 sampling interval + 100ppm × readings + 0.4ns)		
	Sampling interval = SEC/DIV÷200		
Vertical			
A/D Converter	8-bit resolution, each channel sampled simultaneously		
VOLTS/DIV Range	2mV/div - 10V/div at input BNC		
Position Range	±50V(5V/div); ±40V(2V/div - 500mV/div);		
	±2V(200mV/div - 50mV/div); ±400mV(20mV/div - 2mV/div)		
Rise Time at BNC	1.7ns	3.5ns	5ns
DC Gain Accuracy	±4% for Sample or Average acquisition mode, 5mV/div to 2mV/div		
	±3% for Sample or Average acquisition mode, 5V/div to 10mV/div		
Trigger			
Trigger Sensitivity (Edge Trigger Type)	DC (Internal)	1div from DC to 10MHz, 1.5div from 10MHz to 100MHz 2div from 100MHz to 200MHz	
	DC(EXT)	200mV from DC to 100MHz, 350mV from 100MHz to 200MHz	
	DC(EXT/5)	1V from DC to 100MHz 1.75V from 100MHz to 200MHz	

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Trigger		
Trigger Sensitivity (Edge Trigger Type)	AC	Attenuates signals below 10Hz
	HF Reject	Attenuates signals when above 80KHz
	LF Reject	The same as DC coupling limit when frequency above 150KHz Attenuates signals when below 150KHz
Trigger Level Range	CH1, CH2	± 8 divisions from center of screen
	EXT	± 1.2V
	EXT/5	± 6V
Typical accuracy for signals having rise and fall time ≥ 20ns	CH1, CH2	± (0.2div x V/div) (within ± 4 divisions from center of screen)
	EXT	± (6% of setting + 40mV)
	EXT/5	± (6% of setting + 200mV)
Hold off Range	100ns - 10s	
Set Trigger Level to 50% (typical)	For the input signals ≥ 50Hz	
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	1MΩ ± 2% for 20pF±3 pF	
Probe Attenuation	1X, 10X	
Supported Probe Attenuation Factor	1X, 10X,100X, 1000X	
Max. Input Voltage	CAT I and CAT II: Installation type 300VRMS(10x) CAT III: 150VRMS(x)	

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Measurement		
Cursors	Manual	Voltage difference between cursors: △V
		Time difference between cursors: △T
		Reciprocal of △T in Hertz (1/ΔT)
	Tracing	The voltage and time at a waveform point
Automatic	Frequency, Period, Mean, Pk-Pk, Cycli RMS, Minimum, Maximum, Rise time, Fall Time, +Pulse Width, -Pulse Width, Delay1-2Rise, Delay1-2Fall, +Duty, -Duty,Vbase, Vtop, Vmid, Vamp, Overshoot, Preshoot, Preiod Mean, Preiod RMS, FOVShoot, RPREShoot, BWIDTH,FRF, FFR, LRR, LRF, LFR, LFF	

General Information

Display	7 inch 64K color LCD; 800x480 pixels; Adjustable (16 gears) with the progress bar
Voltage	100-120VACRMS(±10%),45Hz to 440Hz, CAT II 120-240VACRMS(±10%),45Hz to 66Hz, CAT II
Power	< 30W
Fuse	2A, T rating, 250V
Size & Weight	313mm(L)x108mm(W)x142mm(H); 2.08KG(without Packing)

Standard Package

Main Machine

2 passive probes

Plug

USB Cable

Note: *Information will conduct the necessary updates， the contents of this document are subject to change without notice*

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