

DSO-10100S WITH SIGNAL GENERATOR



	Model	Band width	Real-time
PDO-10000 Series	DSO-10100S	100MHz	1GS/s

Pulse with Trigger

Vertical Sensitivity	50mV/div-500V/div
Horizontal Time base Range	50S/div ~ 10nS/div
Trigger Sensitivity	1V
Trigger level scope	Internal ± 5 div away from screen center EXT ± 3V EXT / 5* ± 15V
Trigger Mode	Single, Normal, Auto
Trigger Edge	Rising Flank/Falling Flank
Coupling	AC/DC
Maximum Test Voltage	40V(1xprobe), 400V(10xprobe)

Measurement

Cursor	Manual mode	Voltage Difference (V) between cursors;
		Time Difference (T) between cursors;
		Reciprocal of $\Delta T(1/\Delta)$
Tracing mode	Voltage & Time of waveform point	it is allowed to display cursor during automatic measurement

Automatic measurement	Peak value, amplitude, the maximum value, the minimum value, top value, bottom value, middle value, average value, root-m frequency, cycle Rise Time, Descend Time, positive pulse width negative pulse width, positive duty cycle, negative duty cycle
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Mathematical operation	+, -, x, %
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Stored waveform	built-in 1GB storage space, can store up to 1000 screen capture pictures + 1000 groups of waveform data 240Kbit
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LCD	7 INCH 800+400
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Lissajou's figure	Phase location difference	±3 degrees
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Power

Power Voltage	100~240VACRMS, 45~440Hz, CAT II	
Power Consumption	To be less than 30VA	
Fuse	F1, 6AL, 250V; Fuses are on power board in the unit	
Dimension	Width	310mm
	Height	145mm
	Depth	70mm
Accessories	100M Probe *2, USB Charger, User Manual	

Features

Built in DDS Function Signal Generator
14 standard signals (@2.5VPP). including sine wave, square wave, triangle wave, sawtooth, anti sawtooth, ladder wave, half wave rectification, full wave rectification, exponential wave, logarithmic wave, pair index, open square wave, multi audio, sink pulse wave, as well as a cut-off output function that can customize the output signal freely. in which the sine wave frequency can reach 10MHz at most and other standard signals can reach 2MHz. cut-off frequency can reach 2MHz. The wave output device can reach 1MHz at most an the frequency resolution of all signals can reach 1Hz (Step). It is not the half frequency step mode of half frequency division produced by other handheld devices.

Trigger Frequency Meter*

Reading resolution	6-bit	Trigger Sensitivity	<30Vrms	(Typical) Precision	±51ppm(+word)
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