

**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 $\pm 5$ div away from screen center EXT $\pm 3V$ EXT / 5* $\pm 15V$
(Typical) Precision of Trigger	Internal $\pm (0.3 \text{ div V/div})$ (within scope of $\pm 4\text{div} \pm$ from screen center)
Level for Signal of which Rise	EXT $\pm (6\% \text{ of set value}+40\text{mV})$
Time or Descend Time is not less than 20ns	EXT/5* $\pm(6\% \text{ of set value} +200\text{mV})$
Trigger Mode	Single, Normal, Auto
Trigger Edge	Rising Flank/Falling Flank
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
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LCD	7 INCH
	800+400

Lissajou's figure	Phase location difference	$\pm 3$ 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 Height Depth
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Weight	Not containing package
	Containing package

**Trigger Frequency Meter\***

Reading resolution 6-bit	Trigger Sensitivity <30Vrms	(Typical) Precision $\pm 51\text{ppm}(+\text{word})$
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