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Digital Storage Scopes

Part No. 01DS1100 (100MHz), 01DS1150 (150MHz) and 01DS1250 (250 MHz)

Back to **Digital Storage Scope** *Main Page*

Description		DS-1100	DS-1150	DS-1250
ACQUISITION	Max. Sample rate	200MSPS for one channel only, 100MSPS/CH (real time), 25GSPS/CH (equivalent)		
	Record length	Long Memory Max. 10kBytes/ CH	Long Memory Max. 32kBytes/ CH	
	Peak detect	Captures & displays as narrow as 10ns GLITCH		
VERTICAL	Frequency bandwidth	DC-100MHz (40MHz at 2mV/div)	DC-150MHz (40MHz at 2mV/div)	DC-250MHz (60MHz at 2mV/div)
	Input Channel	CH1, CH2		
	VOLTS/DIV	2mV/div ~ 5V/div		
	Input impedence	1Mohm ±1.5% // Approx. 16pF		
	Max. Input volt	400V (DC+AC Peak) (AC < 1kHz)		
	Accuracy	±3%		
	Input coupling	DC, AC, GND		
	Rising time	Approx. 3.5ns	Approx. 2.3ns	Approx. 1.4ns
MATH		Arithmetic (ADD, SUBTRACT, INVERSION) FFT : Hamming, Hanning and Rectangular Window Pass-Fail : Editable waveform zone		
HORIZONTAL	TIME/DIV	Equivalent : 2ns/div ~ 0.1㎲/div Real time : 0.25 ㎲/div ~ 0.1 s/div Roll mode : 0.2s/div ~ 5s/div		
	Resolution	80ps		
	Accuracy	0.01%		
	Pre trigger	Max. 10div		
	magnification	ZOOM IN / OUT		
TRIGGER	Mode	AUTO, NORMAL, SINGLE		
	Coupling	DC, AC, LF REJECT, HF REJECT		
	Type	Edge, TV		
	SLOPE	Rising, Falling		
	Level	Manual setting or Automatic 50% setting		
	Source	CH1, CH2, EXT, LINE		
	sensitivity	TRIGGER / FREQUENCY / SENSITIVITY (5mV ~ 5V/div, 2mV/div)		
		INTERNAL (CH1, CH2) — DC ~ 10MHz	0.5 div	0.5 div
		INTERNAL (CH1, CH2) — 10MHz ~ 80MHz	1.5 div	1.5 div
		INTERNAL (CH1, CH2) — 80MHz ~ MAX. BW	2.0 div	(at 10MHz ~ 40/60MHz)
		EXTERNAL — DC ~ MAX. BW	0.2 Vp-p (0.5Vp-p at 150MHz ~ 250MHz)	
DISPLAY		5.7" MONO LCD (320X240) CCFL Backlight		
MENU	Display	Type Dots, Vectors Format X-Y, Y-T GRID Full, Cross, Board Contrast Control possible		
	SAVE/RECALL	10 Setups, 10 Waveforms This function is able to save waveform and setting state of present working environment and recall by the user. Factory setup and recall		
	UTILITY	Self Calibration System condition		
	Cursor	Type : time, frequency, voltage Source : CH1, CH2		
	Acquire	Peak detect : 5㎲/div ~ 5s/div(ON/OFF) Average : 2 ~ 128 Persistence : 0.25㎲/div ~ 0.1s/div (ON/OFF)		
	Measure	Max. 10 parameter auto measurement (pk-pk, RMS, Mean, Frequency, Rising time, Falling time, Period, Positive width, Negative width, Duty)		
HOT-KEY	AUTO SET	Vertical, horizontal & Trigger setting		
	RUN/STOP	Waveform hold		
	SINGLE	Bandwidth 20MHz		
	HARDCOPY	Hardcopy through printer port or RS-232C port for thermal printer		
INTERFACE	RS-232C	Flow control : XON / XOFF, HARDWARE DATA BIT : 8, 7 STOP BIT : 1 PARITY : NONE, EVEN, ODD BAUD RATE : 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200		
	SPP	Standard Parallel Port, PCL 3 support Printer (Hardcopy)		
	USB	Ver. 1.1		
POWER	Power supply	90V AC ~ 250V AC		
	Frequency	48Hz ~ 440Hz		
	Power consumption	35W		
WEIGHT		Approx 5.5kg		
SIZE		338(W) X 167(H) X 370(L) mm		
EMC		CE (EN 61326)		
SAFETY		CE (EN61010-1), meet UL3111-1		
AMBIENT CONDITION	Temperature Range for Rated Operation	+10℃ to +35℃ (+50°F to + 95°F)		
	Max. Ambient Operating Temperature	0℃ to + 40℃ (+32°F to + 104°F)		
	Max. Storage Temperature	-10℃ to 60℃ (+14°F to + 140°F)		
	Humidity Range for Rated Operation	45% to 85% RH		
	Max. Ambient Operating Humidity	35% to 85% RH		