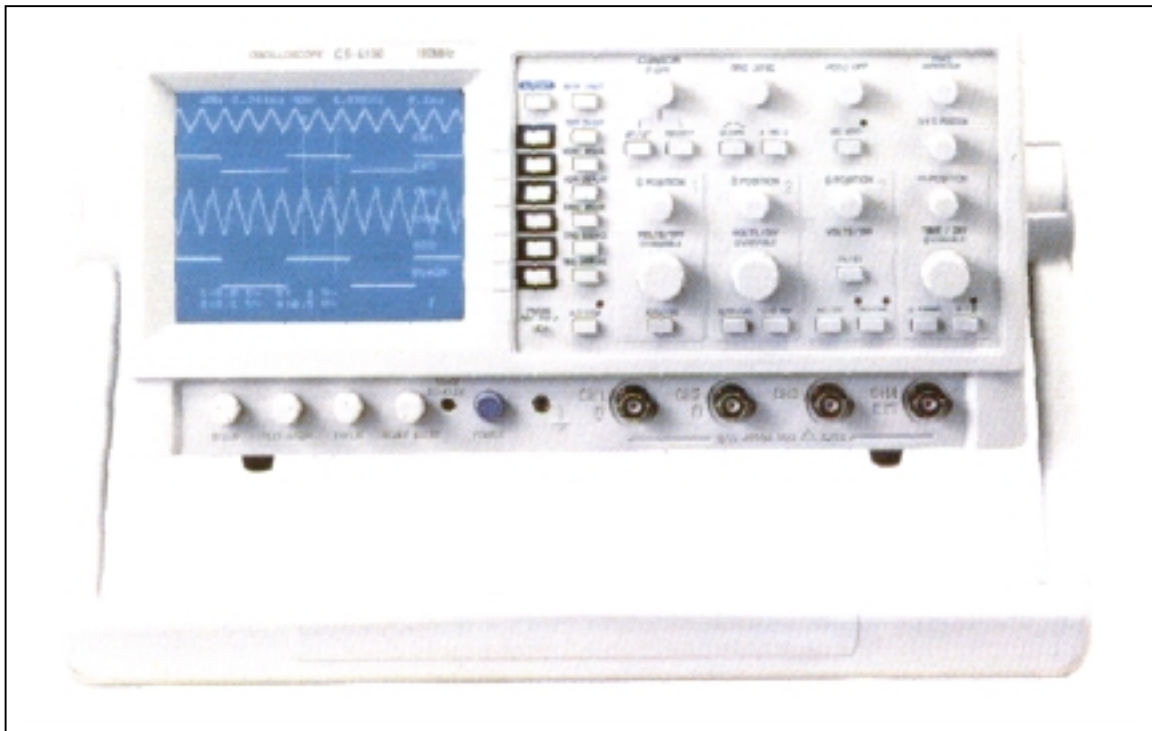


100MHz 2CH & 4CH Dual Time base and Cursor readout

The CS 5100 & CS 6100 Oscilloscopes offer bandwidth of 100MHz, a Dual time base and cursor readout which makes it ideal for applications requiring good quality and performance but at a low price. These Oscilloscopes are ideal for areas such as production line, development, service and education. CS 6100 has four channels and CS 5100 has two channels with comprehensive triggering and are supplied complete with 2 high quality probes.



MAIN FEATURES

- 100MHz Bandwidth.
- HF/LF Reject Trigger Filters.
- Auto Set Function.
- Frequency Counter Function (Only on Auto set).
- 4 Channels, 8 Traces (CS 6100).
- 2 Channels, 4 Traces (CS 5100).
- Readout Cursor Function.
- 5ns/div Fast sweep rate.
- CH1 Output.
- 400V MAX. Input Voltage.
- Delayed sweep function
- Hold off Function
- Dual Time Base

SPECIFICATION

CS 6100

CS 5100

CRT	Configuration and Useful Screen	6-inch rectangular screen with internal graticule: 8x 10div(1div=1cm), marking for measurement of rise time, 2mm subdivisions along the central axis		
	Acceleration Potential	+11.5kv approx. (ref. Cathode)		
	Phosphor	P31 (Standard)		
	Focusing	Possible (with auto-focus correction circuit)		
	Trace Rotation	Provided		
	Scale Illumination	Variable		
Z-AXIS INPUT (Intensity modulation)	Intensity Control	Provided		
	Input signal	Positive going signal decreases +5Vp-p or more signal causes noticeable modulation at normal intensity settings		
	Bandwidth	DC to 2MHz (-3dB)		
	Coupling	DC		
VERTICAL DEFLECTION	Input Impedance	20k Ω -30k Ω typical		
	Maximum Input Voltage	30V (DC + peak AC)		
	Bandwidth (-3dB)	DC coupled	DC to 100MHz (2mV/DIV:DC to 50MHz)	
		AC coupled	10Hz to 100MHz (2mV/DIV:10Hz to 50MHz)	
	Modes	CH1, CH2, ADD, DUAL, ALT, CHOP, CH2 INV.	CH1, CH2, DUAL, ADD, ALT, CHOP, CH2 INV. QUAD	
	Deflection Factor	2mV/Div to 5V/Div in 11 calibrated steps of 1-2-5 sequence. (For CS 6100: CH3, CH4:0.1V/DIV, 0.5/DIV) Continuously variable between steps at least 1:2.5		
	Accuracy	$\pm 3\%$		
	Input Impedance	Approx. 1M Ω in parallel with 25pF		
	Maximum Input Voltage	Direct: 400V (DC+ peak AC), with probe: refer to probe specification		
	Input Coupling	DC-GND-AC		
HORIZONTAL DEFLECTION	Rise Time	3.5ns or less (2mV/DIV: 7ns or less)		
	CH1 Out	50mV/Div into 50 Ω : DC to 20MHz(-3dB)		
	Polarity Inversion	CH2 Only		
	Display Mode	A,ALT,B,B TRIG'D, X-Y		
	Time Base A	0.05us/Div to 0.5s/Div in 22 calibrated steps of 1-2-5 sequence, Uncalibrated continuous control between steps at least 1:2.5		
	Hold-off Time	Variable with the hold-off control		
	Time Base B	0.05us/div to 50ms/div in 19 calibrated steps of 1-2-5 sequence		
	Delayed Sweep Position	1div or less – 10div or more		
	Delay Time Jitter	Better than 1:10,000		
	Sweep Magnification	10 times (Maximum sweep rate: 5ns/div)		
TRIGGER SYSTEM	Accuracy	$\pm 3\%$, $\pm 5\%$ (0 $^{\circ}$ C to 40 $^{\circ}$ C), additional error for magnifier $\pm 2\%$		
	Modes	AUTO, NORM, TV, SINGLE		
	Source	LINE, VERT, CH1, CH2, CH3, CH4	LINE, VERT, CH1, CH2	
	Coupling	AC,DC,HF REJ,LF REJ, TV-V, TV-H		
	Slope	+ or -		
	Sensitivity and Frequency AUTO(30Hz or more), NORM		20Hz – 2MHz	2MHz – 40MHz
		INT	0.5div	1.5div
		EXT	0.1Vp-p	0.3Vp-p
	TV-V, TV-H	VERT	0.5div	3.0div
	External Trigger Input Impedance	At least 1div or 1.0Vp-p		
Maximum Input Voltage	1M Ω in parallel with approx. 25pF			
X-Y OPERATION	X-Axis	400V (DC+ peak AC)		
	Y-Axis	(same as CH1 except for the following)		
	X-Y Phase Difference	Deflection factor; same as that of CH1 / Accuracy: $\pm 6\%$ / Frequency response: DC to 2MHz(-3dB)		
READOUT FUNCTION	Cursor readout function	Same as CH2		
	Auto setup	3 $^{\circ}$ or less (at DC to 100kHz)		
	Frequency Counter Displays	$\Delta V, \Delta T, \Delta 1/T$		
	Panel setting displays	Enable		
	Effective cursor range from centre graticule	Enable (only on Autoseup)		
	Resolution	AC/DC/GND, V-MODE, CH2 Invert, VOLTS/DIV, * 10MAG, H-DSP MODE, TIME/DIV, TRG COUPLING, TRIG SOURCE.		
CALIBRATOR	Probe Adjustment	Vertical: within ± 3 div / Horizontal: within ± 4 div		
	Line Voltage Range	1/25 div		
POWER SUPPLY	Line Frequency	Approx, 1KHz 0.5Vp-p ($\pm 2\%$)Square wave, duty ratio: 50%		
	Power Consumption	90~250VAC(fuse:1A 250V)		
	Weight	48 / 440Hz		
PHYSICAL CHARACTERISTIC	Size	Max. 50W		
	Temperature	8kg		
ENVIRONMENTAL CHARACTERISTIC	Humidity	328mm(W) x 153mm(H) x 392mm(L)		
	Accessories supplied	Temperature range for rated operation: +10 $^{\circ}$ C to +35 $^{\circ}$ C (+50 $^{\circ}$ F to +95 $^{\circ}$ F) Max, ambient operating temperature: 0 $^{\circ}$ C to +40 $^{\circ}$ C (+32 $^{\circ}$ F to +104 $^{\circ}$ F) MAX, storage temperature: -20 $^{\circ}$ C to 70 $^{\circ}$ C (-4 $^{\circ}$ F to +158 $^{\circ}$ F)		
OTHERS	Accessories supplied	Range for rated operation:45% to 85% RH / Max. Ambient operating humidity : 35% to 90% RH		
		Operator's manual, Spare fuse, Power cord, Test probe.		

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Dealers Stamp