

MOS-5100

- 100MHz dual channel
- High sensitivity 1mV/DIV
- Z-axis modulation input, CH1 output
- 10 times sweep magnification
- TV synchronization, X-Y mode
- High luminance, internal graticule CRT
- Japanese electronic encoder switch
- Fully sealed long life vertical mode switch
- ALT triggering function
- Triggering level lock function, automatic synchronization function



Technical Data		MOS-5100			
CRT	Type	6-inch rectangular with internal graticule 8 × 10DIV [1DIV=10mm]			
	Acceleration voltage	Approx.12kV			
	Z-axis input	Zin: 47kΩ; Vin: ≥5Vp-p; BW: DC~2MHz Max.input voltage:30V(DC+AC peak) at 1kHz or less			
	Trace rotation	Adjusted at front panel			
Vertical System	Sensitivity and accuracy	≤3%, 2mV~5V/DIV, 10 steps in 1-2-5 sequence			
	Bandwidth	DC~100MHz(×5MAG:DC~30MHz)			
	Rise time	Approx.3.5ns(×5MAG:Approx.17.5ns)			
	Input impedance	Approx.1MΩ/Approx.25pF			
	Maximum input voltage	300Vpeak (AC: frequency 1kHz or lower);			
	Input coupling	AC, GND, DC			
	Vertical mode	CH1,CH2 ,DUAL(ALT/CHOP) ,ADD,CH2 INV			
	Chopping repetition frequency	Approx. 250kHz			
Horizontal System	Sweep time	0.1uSec~0.2Sec/DIV , 20 steps in 1-2-5 sequence			
	Sweep time accuracy	± 3% , ± 5% at ×10MAG (20ns~50ns/DIV uncalibrated)			
	Sweep magnification	10 times			
	Max. sweep time	20ns/DIV			
	Linearity	± 5% , ×10MAG: ± 10%(0.2s~1us)			
	Vernier sweep time control	≤1/2.5 of panel-indicated value			
Trigger	Trigger mode	AUTO; NORM; TV-V; TV-H			
	Trg-level lock	Yes			
	Trigger source	CH1,CH2,LINE,EXT			
	Trigger coupling	AC:20Hz to full bandwidth			
	Trigger slope	“+” or “-”			
	Trigger sensitivity		20Hz~2MHz	2MHz~20MHz	20MHz~100MHz
		CH1,CH2	0.5DIV	1.5DIV	3DIV
		ALT	1.5DIV	1.5DIV	3DIV
		EXT	200mV	800mV	1.5V
	EXT trigger input	TV: Sync pulse more than 1 DIV (EXT:1V) Input impedance: Approx.1MΩ/approx.25pF Max.input voltage:300V (DC+AC peak), at 1kHz			
X-Y Mode	Sensitivity	5mV-5V/DIV, ± 4%			
	X-axis bandwidth	DC ~500kHz			
	phase error	≤3°at DC~50kHz			
Output Signal	CH1 signal output	At least 20mV/DIV into 50Ω termination. Bandwidth is 50Hz to at least 50MHz.			
	Calibration output	1kHz square wave, 2Vp-p ± 2%			
Power Source	AC220V ± 10%(standard), AC110/220V ± 10%(optional), 50/60Hz, approx.35VA				
Dimension/Weight	445(D) × 310(W) × 150(H)mm Approx.8kg				