

ECONOMIC OSCILLOSCOPE WITH FREQUENCY COUNTER

MOS-600CF Series

- 20MHz/40MHz/50MHz dual channel
- 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, two independent signals simultaneous observation
- Built-in 6 digits frequency counter



MOS-620CF

Technical Data		MOS-620CF/640CF/650CF			
CRT	Type	6-inch rectangular with internal graticule 8 × 10DIV[1DIV=10mm]			
	Acceleration voltage	Approx.2kV(20MHz)/Approx.12kV(40MHz)			
	Phosphor	P31			
	Trace rotation	Adjusted at front panel			
Vertical System	Sensitivity and accuracy	≤3%, 5mV~5V/DIV, 10 steps in 1-2-5 sequence			
	Bandwidth	DC (AC10Hz)~20MHz; DC (AC10Hz)~40MHz; DC (AC10Hz)~50MHz			
	Rise time	Approx.17.5ns / Approx.8.75ns / Approx.7ns			
	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	0.2uSec~0.5Sec/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	No			
	Trigger source	CH1,CH2,LINE,EXT			
	Trigger coupling	AC:20Hz to full bandwidth			
	Trigger slope	“+” or “-”			
	Trigger sensitivity	20Hz~2MHz	2MHz~20MHz	20MHz~50MHz	
		CH1,CH2	0.5DIV	1.5DIV	3DIV
		ALT	1.5DIV	1.5DIV	3DIV
		EXT	200mV	800mV	1.5V
	TV: Sync pulse more than 1 DIV (EXT:1V)				
EXT trigger input	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	No			
	Calibration output	1kHz square wave, 2Vp-p ± 2%			
Frequency Counter	6 digits LED , display accuracy: 0.01%				
Power Source	AC220V ± 10%(standard), AC110/220V ± 10%(optional), 50/60Hz, approx.35VA				
Dimension	445(D) × 310(W) × 150(H)mm				
Weight	Approx.8kg				