

FULL ENCODER SWITCH OSCILLOSCOPE WITH FREQUENCY COUNTER

MYWAVE®

MOS-600BF Series

- 20MHz/40MHz/50MHz dual channel
- High sensitivity 1mV/DIV
- Z-axis modulation input, CH1 output
- 10 times sweep magnification
- High luminance, internal graticule CRT
- Encoder for sweep and vertical mode switch
- ALT triggering function
- Triggering level lock function, automatic synchronization function
- Built-in 1000:1 attenuator, expanded vertical sensitivity to 10V~20V/DIV
- Built-in 6 digits frequency counter



MOS-620BF

Technical Data		MOS-620BF/640BF/650BF				
CRT	Type	6-inch rectangular with internal graticule 8 × 10DIV [1DIV=10mm]				
	Acceleration voltage	Approx.2kV				
	Z-axis input	Zin: approx.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%, 5mV~20V/DIV, 12 steps in 1-2-5 sequence				
	Bandwidth	DC~20MHz(× 5MAG:DC~7MHz); DC~40MHz(× 5MAG:DC~15MHz); DC~50MHz(× 5MAG:DC~15MHz)				
	Rise time	Approx.17.5ns(× 5MAG:Approx.50ns) / Approx.8.75ns(× 5MAG:Approx.25ns) / Approx.7ns(× 5MAG:Approx.23.3ns)				
	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 mode		AUTO; NORM; TV-V; TV-H				
Trigger	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~50MHz	
		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%				
Frequency Counter	6 digits LED , display accuracy: 0.01%					
Power Source	AC220V ± 10%(standard), AC110/220V ± 10%(optional), 50/60Hz, approx.35VA					
Dimension/Weight	445(D) × 310(W) × 150(H)mm Approx.8kg					