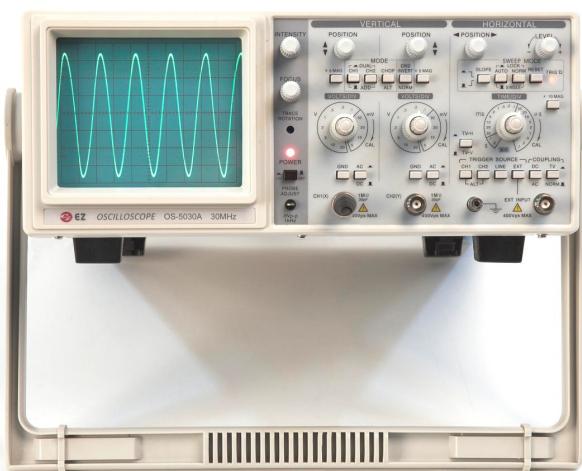


# OS-5020A, OS-5030A



## FEATURES

- OS-5020A: 20MHz 2channel dual trace
- OS-5030A: 30MHz 2channel dual trace
- 6' Rectangular CRT with internal graticule
- Sensitivity 1mV/div
- TV sync. separator circuit for stable TV signal observation
- Sweep magnification (x 10)
- ALT triggering function
- CH2 Polarity inversion switch
- 400V maximum input voltage
- High sensitivity X-Y mode

SPEC	MODEL	OS-5020A	OS-5030A			
CRT	Configuration and Useful Screen	6-inch rectangular screen with internal graticule: 8 x 10Div (Div=cm) Marking for measurement of rise time, 2mm subdivision along the central axis				
	Accelerating potential	+1.9KV approx (ref. cathode)				
	Phosphor	P31				
	Focusing	Possible				
	Trace Rotation	Provided				
Z-AXIS INPUT (INTENSITY MODULATION)	Intensity Control	Provided				
	Input Signal	TTL Level				
	Bandwidth	DC to 5MHz (-3dB)				
	Coupling	DC				
	Input Impedance	10KΩ typical				
VERTICAL DEFLECTION	Max. Input Voltage	50V (DC + peak AC)				
	Bandwidth (-3dB)	DC ~ 20MHz (DC coupled)	DC ~ 30MHz (DC coupled)			
	Bandwidth (-3dB)	10Hz ~ 20MHz (AC coupled)	10Hz ~ 30MHz (AC coupled)			
	Mode	CH1, CH2, DUAL (ALT, CHOP), ADD, X-Y				
	Deflection Factor	5mV/div ~ 20V/div in 12 calibrated step of 1-2-5 sequence, Continuously variable between steps.				
HORIZONTAL DEFLECTION	Accuracy	Normal: ±3%, Magnified: ±3%				
	Input Impedance	1±5%MΩ in parallel with ≤30pF (direct) 10±5%MΩ in parallel with ≤23pF (by probe)				
	Max Input Voltage	400V (DC + AC peak)				
	Input Coupling	AC-GND-DC				
	Rise Time	17.5ns or less (70ns or less: × 5 MAG)	12ns or less (35ns or less: × 5 MAG)			
TRIGGER SYSTEM	Polarity Inversion	CH2 only				
	Display Mode	Normal, X-Y, × 10, Variable				
	Time Base	0.1μs/Div ~ 0.2s/Div in 20 calibrated steps of 1-2-5 sequence				
	Accuracy	≤ ±3%, additional error for magnification ±5%				
	Sweep Magnification	10 times (Max sweep rate: 0.1μs/Div)				
X-Y OPERATION	Mode	AUTO, NORMAL, TV0V, TV-H CH, CH2, ALT, LINE, EXT				
	Source	AC, DC, EXT, Normal, TV-H, TV-V				
	Coupling	+ or -				
	Slop	50Hz ~ 20MHz				
	Sensitivity and Frequency AUTO, NORM	INT	1Div	50Hz ~ 30MMHz		
CALIBRATION	EXT	0.2Vp-p	EXT	0.2Vp-p		
	TV-V, TV-H	At least 2Div or 0.3Vp-p				
	External Trigger Input	1MΩ±5% in parallel with 30pF				
	Impedance	400V (DC+AC peak)				
	Max. Input Voltage	Same as Vertical deflection for both, X-axis(CH1) and Y-axis(CH2)				
POWER SUPPLY	Deflection Factor	DC: 0 ~ 1MHz (-3dB) AC: 10Hz ~ 1MHz (-3dB)				
	Bandwidth	3° or less (at DC to 50KHz)				
	X-Y Phase Difference	Square waveform				
	Waveform	0.5Vp-p±2%				
	Amplitude	1KHz±2%				
PHYSICAL CHARACTERISTICS	Frequency	110V±10%, 230V±10%				
	Power	50/60Hz				
	Frequency	Approx.35W				
	Power consumption	Approx. 7.2Kg				
	Weight	320mm×130mm×400mm				
OTHER	Accessory supplied	Manual x 1, Power code x , Spare Fuse x 1				