

SPEC\MODEL		OS-9020A	OS-5040A	OS-5060A
CRT	Type	6-inch rectangular screen with internal graticul : 8X10div(1div=1cm)		
	Acceleration Potential	+1.9 kV approx	DC-2MHz(-3dB)	DC-3.5MHz (-3dB)
Z-AXIS INPUT (INTENSITY MODULATION)	Input Signal	Positive going signal decreases intensity +5Vp-p or more signal cases noticeable modulation at normal intensity settings		
	Bandwith	DC-2MHz(-3dB)	DC-2MHz(-3dB)	DC-3.5MHz(-3dB)
	Coupling	DC		
	Input Impedance	20K Ω -30K Ω		
	Maximum input Votage	30V(DC+peak AC)		
VERTICAL DEFLECTION	Bandwith(-3dB)	DC(10Hz) to 20MHz DC(10Hz) to 7MHz(X5Mag on)	DC(10Hz) to 40MHz DC(10Hz) to 7MHz(X5Mag on)	DC(10Hz) to 60MHz DC(10Hz) to 7MHz(X5Mag on)
	Modes	CH1, CH2, ADD,DUAL(CHOP:time/div 0.2 to 5ms ALT:time/div 2ms to 0.2s, to 0.1 μ s(9060D))		
	Deflection Factor	5mV/div to 5V/div 1mV/div (X5Mag on) in 10 calibrated steps of 1-2-5 sequence		
	Accuracy	$\pm$ 3% ($\pm$ 5% x%Mag on)		
	Input Impedance	approx. x 1m Ω in parallel 25pF		
	Maximum Input Voltage	250V(DC+peak AC)		
	Input Coupling	CH2 invert		
	Rise Time	17.5ns or less (50ns or less:x5Mag on)	8.8ns or less (50ns or less: x5Mag on)	5.8ns or less (17.5ns or less: x5Mag on)
	CH1 Out	20mV/div into 50 Ω :DC to 10MHz(-3dB)		
	Polarity	CH2 invert		
	Signal Delay Time		delay cable supplied	
VERTICAL DEFLECTION (CH3 FOR OS-9100D ONLY)	Deflection Factor			
	Bandwith(-3dB)			
	Rise time			
	Accuracy			
	Input Impedance			
	Maximum Input Voltage			
	Sweep Mode	A,X-Y	A,A int B, B, B TRIG'D, X-Y	
	Time Base A	0.2 μ /div to 0.2s/div in 19 calibrated steps of 1-2-5 sequence 0.1 μ s/div to 10 μ s/div in 7 calibrated steps of 1-2-5 sequence		

HORIZONTAL DEEFLECTION	Hold- off time	variable with hold-off control											
	Time Base B	0.2μ/div to 0.2s/div in 7 calibrated steps of 1-2-5 sequence					0.1μs/div to 10μs/div in 7 calibrated steps of 1-2-5 sequence						
	Delay Sweep Position	1div or less to 10div or more											
	Dealy Time Jitter	better than 20,000:1											
	Sweep Magnification	10 time(Max Sweep Rate:20ns/div)					10 time (Max Sweep Rate: 10ns/div)						
	Accuracy	±3%(additional error for magnifier:2%)											
TRIGGER SYSTEM	Modes	Auto, Norm, TV-V, TH-H											
	Source	CH1, CH2, LINE, EXT											
	Coupling	AC											
	Slope	+ or -											
	Sensitivity (Auto, Norm)	Frequency		INT	EXT	Frequency		INT	EXT	Frequency		INT	EXT
		20Hz-2MHz	0.5div	0.2Vp-p		20Hz-2MHz	0.5div	0.2Vp-p		20Hz-2MHz	0.5div	0.15Vp-p	
		2MHz-20MHz	1.5div	0.8Vp-p		2MHz-40MHz	1.5div	0.8Vp-p		2MHz-60MHz	1.5div	0.3Vp-p	
	TV-V,TV-H	at least 1 div or 1.0Vp-p											
	External Trigger Input Impedance	1MΩ in parallel with approx. 30pF											
Max. Input Voltage	250V (DC+peak AC)												
X-Y OPERATION	Sensitivity	same as vertical deflection for both, X-axis(CH1) and Y-axis(CH2)											
	X-axis Bandwith	DC to 500kHz (-3dB)											
	X-Y Phase Difference	3° or less(at DC to 50kHz)											
CALIBRATOR		1KHz Square wave, 0.5Vp-p ±3%, duty ratio:50%											
POWER SUPPLY	Line Voltage	100,120,220,240,VAC ±10%											
	Line Frequency	50/60Hz											
	Power Consumption	30W			40W			50W					
PHYSICAL CHARACTERISTICS	Size	320mm(W)X135mm(H)X320mm(D)											
	Weight	6.8Kg			7.2Kg			7.7Kg					
OTHERS	Accessories Supplied	Operator's manual 1 Power cord1					Spare fuse 2 Probe(option) 2						