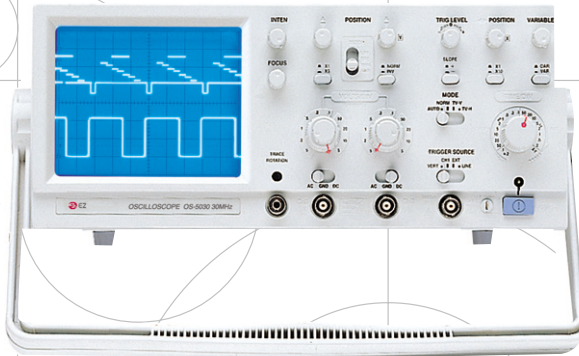
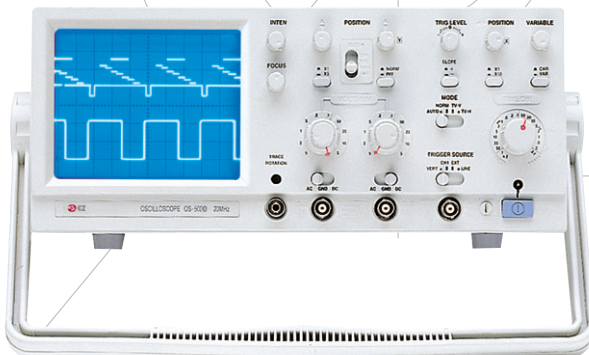


OS-5030, OS-5020, OS-5020G



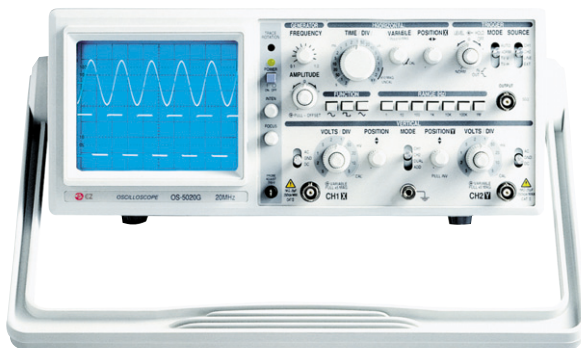
OS-5030 30MHz 2ch dual trace

- DC to 30MHz BandWith, 2CH - dual trace
- 6" Rectangular CRT with internal graticule
- Sensitivity 1mV / div
- ALT. triggering function(Vert Mode)
- CH2 Polarity inversion switch
- High sensitivity X - Y mode
- Sweep magnification(X10)
- TV sync. separator circuit for stable TV signal observation
- 400V maximum. input voltage



OS-5020 20MHz 2ch dual trace

- DC to 20MHz BandWith, 2CH - dual trace
- 6" Rectangular CRT with internal graticule
- Sensitivity 1mV / div
- ALT. triggering function(Vert Mode)
- CH2 Polarity inversion switch
- High sensitivity X - Y mode
- Sweep magnification(X10)
- TV sync. separator circuit for stable TV signal observation
- 400V maximum. input voltage



OS-5020G 200MHz 2ch dual trace Built-in 1MHz function generator

- DC to 20MHz, 2CH - dual trace
- Built - in 1MHz function generator with TTL output
- CH2 polarity inversion switch
- High sensitivity X - Y mode
- Vertical deflection magnification, X5
- Sensitivity : 1mV / div
- Variable hold - off for observation of wave forms with complex periods
- Employment of TV sync. separator circuit allows the instrument to observe TV signals stably
- Sweep magnification, X5

Specifications

SPEC	MODEL	OS-5030	OS-5020	OS-5020G
CRT	Configuration and Useful Screen	6-inch rectangular screen with internal graticule : 8 × 10Div (1 Div = 1cm), marking for measurement of rise time, 2mm subdivisions along the central axis.		
	Accelerating Potential	+1.9kv approx.(ref. cathode)		
	Phosphor	P31		
	Focussing	Possible		
	Trace Rotation	provided		
	Intensity Control	provided		
Z – AXIS INPUT (INTENSITY MODULATION)	Input Signal	Positive going signal decreases +5V/p-p or more signal cases intensity noticeable at normal intensity settings.		
	Bandwidth	DC to 2MHz(-3dB)		
	Coupling	DC		
	Input Impedance	20k Ω - 30k Ω typical		
	Maximum Input Voltage	30V (DC+peak AC)		
VERTICAL DEFLECTION	BandWidth(-3dB)	DC coupled	DC to 30MHz normal / DC to 10MHz magnified(CH1 only)	DC to 20MHz normal(×1)DC to 7MHz magnified(×5)
		AC coupled	10Hz to 30MHz normal / 10Hz to 10MHz magnified(CH1 only)	10Hz to 20MHz normal(×1)10Hz to 7MHz magnified(×5)
	Modes	CH1, CH2, ADD, DUAL, (CHOP, Time/Div switch-0.2s to 1ms, ALT;Time / Div switch-0.5ms to 0.2μs)		
	Deflection Factor	5mV/Div to 20V / Div in 12 calibrated steps of a 1-2-5 sequence. Continuously variable between steps at least 1:2.5 × 5		
		5MAG:1mV/Div to 4V/Div in 12 calibrated steps.(CH1 only)		
	Accuracy	normal : ±3%, magnified : ±5%(CH1 only)		
	Input Impedance	approx : 1M Ω in parallel with 30pF		
	Maximum input Voltage	Direct : 400V(DC+peak AC)		
	Input Coupling	AC - GND - AC		
	Rise Time	12ns or less (35ns or less : ×5 MAG)	17.5ns or less (35ns or less : ×5 MAG)	17.5ns or less (50ns or less : ×5MAG)
	CH1 OUT	25mV/Div into 50 Ω: 10Hz to 10MHz (-3dB)		
	Polarity Inversion	CH2 only		
HORIZONTAL DEFLECTION	Display Modes	normal. X-Y, X10, Variable		
	Time Base A	0.2μs / Div to 0.2s / Div in 19 calibrated steps of 1-2-5 sequence uncalibrated continuous control between steps at least 1:2.5		
	Hold-off Time	Variable with the hold-off control		
	Sweep Magnification	10 times (maximum sweep rate: 20ns /Div) Note: 50ns / 20ns / Div(±10%)		
	Accuracy	±3%(0°C to 35°C), 5% (0°C ~10°C ~ 35~40°C) additional error for magnifier ±2%		
TRIGGER SYSTEM	Modes	Auto, Norm, TV-V, TV-H		
	Source	VERT(Dual, ALT)CH1, CH2, LINE, EXT		
	Coupling	AC		
	Slope	+or -		
	Sensitivity and Frequency AUTO, NORM	20Hz - 2MHz (VERT)	2MHz - 20MHz (VERT)	20Hz - 2MHz (VERT)
		0.5Div(2Div)	1.5Div(3Div)	0.5Div
		INT 0.2Vp-p	EXT 0.6Vp-p	1.5Div
	TV-V, TV-H	at least 1 Div or 1.0Vp-p		
X – Y OPERATION	External Trigger Input impedance	1M Ω ±10%		
	Maximum Input Voltage	400V(DC + AC peak)		
		250V(DC + AC peak)		
CALIBRATOR	Probe Adjustment	Approx, 1kHz frequency(±20%), 0.5V(±10%) square wave duty ratio: 40-60%		
	Frequency Range	0.1Hz to 1MHz(7 range)		
	Output Waveform	sine, triangle, square, TTL pulse		
FUNCTION GENETATOR	Frequency Stability	±0.5%(1/10/100/1K/10K/100K range) ±1%(1M range) 15 minutes later after power on		
POWER SUPPLY	Line Voltage Range	Voltage Range		
		FUSE(250V)		
		UL198G IEC127		
		115(98-125V)/AC 1.25A 1.25A		
	Line Frequency	50/60Hz		
PHYSICAL CHARACTERISTICS	Power Consumption	approx. 45W		
	Weight	7.8kg		
	Size	316mm(W) ×132mm(H) ×410mm(L)		
OTHERS	Accessories Supplied	Operator's manual 1, Spare fuse2, Power cord1, Probe(option)2		