

OSCILLOSCOPE 0S5020

APPLICATION: This 20MHz OS 5020 Dual Trace Oscilloscope has been widely used in the fields of teaching, enterprises, scientific Research and medical Treatment.

FEATURES:

- Power supply: AC 220V/50HZ
- Dimension: 310x145x440mm (W X H X D)
- Operating temperature: 0~40°C 85% RH
- Storage Temperature: -10~70°C
- Weight: About 8kgs
- Accessories: Instruction manual, 1m AC supply Power wire, 2ms probes.



SPECIFICATION:

Sensitivity	5mV-20V/DIV in 1-2-5 sequence, altogether 12 steps, CH1, CH2 to 1mV/DIV with x5 magnification.
Accuracy	X1: $\leq \pm 3\%$, x5MAG: $\leq \pm 5\%$,
Variable Ratio	$\geq 2.5:1$
Bandwidth(-3dB)	x1: DC(AC10Hz)~20MHz, x5: DC(AC10Hz) ~7MHz,
Rising Time	x1: $\leq 17.5\text{ns}$, x5: $\leq 50\text{ns}$
Input Impedance	$1\text{M}\Omega \pm 5\%$ // $25\text{pF} \pm 5\text{pF}$
DC Balance	5mV-20V/DIV: $\pm 0.5\text{DIV}$
Linearity	The amplitude change would be within $\pm 0.1\text{V}$ when the waveform moves vertically in the middle of the Division.
Vertical Mode	CH1, CH2, ALT, CHOP, ADD(CH1+CH2, CH1-CH2)
Input Coupling	AC, GND, DC
Max. Input Voltage	400V with the frequency $\leq 1\text{kHz}$ Max. Effective readout would be 160Vp-p(56Vrms sine wave) when the probe is set as 1:1. Max. Effective readout would be 400Vp-p(140Vrms sine wave) when the probe is set as 10:1.
CH2 INV BAL	$\leq 1\text{DIV}$

Trigger Sources	INT, EXT, LINE
INT Trigger Source	CH1, CH2, VERT.
Trigger Modes	NORM, AUTO(TV-H), TV-V, LEVEL LOCK.
Coupling	AC: 5Hz to the whole frequency range
Polarity	+/-
Sensitivity	INT: 5Hz-10MHz $\leq 1\text{DIV}$; 10MHz-20MHz $\leq 1.5\text{DIV}$; TV: $\leq 2\text{DIV}$

trigger signals Max Input Voltage	400V(DC+A Cpeak) AC frequency ≤ 1 kHz
Sweep time	0.5s-0.2us/DIV, in 1-2-5 sequence, altogether 20 steps
Accuracy	x1: $\leq \pm 3\%$; 10MAG: $\leq \pm 5\%$ (20ns~50ns $\pm 10\%$)
Variable Ratio	$> 2.5:1$
Linearity	x1: 5%; x10MAG: 10% (20NS~50NS : 15%)
Movement by x10 MAG	< 2 DIV in CRT center
	EXT: 5Hz-10MHz ≤ 200 mVp-p; 10MHz-20MHz ≤ 300 mVp-p
Input impedance with EXT	$1M\Omega \pm 5\%$ // $25pF \pm 5pF$

X-Y Mode	Sensitivity	Same the vertical systems
	Frequency Bandwidth(3dB)	DC: 0~500kHz; AC: 10Hz~500kHz
	X-Y Phase Difference	$\leq 3^\circ$ (DC-50kHz)
Calibration Signal	Waveform	Square wave
	Frequency	Approx. 1kHz
	Output Voltage	$2V_{p-p} \pm 2\%$
	Output Resistance	Approx. $1k\Omega$
CRT	Model	15SJ118Y14
	Color & Afterglow	Green, middle
	Effective Screen Area	8 X 10DIV [1DIV=10mm(0.39in)]
	Scale	Internal
	Trace Rotation	Adjustable on Panel