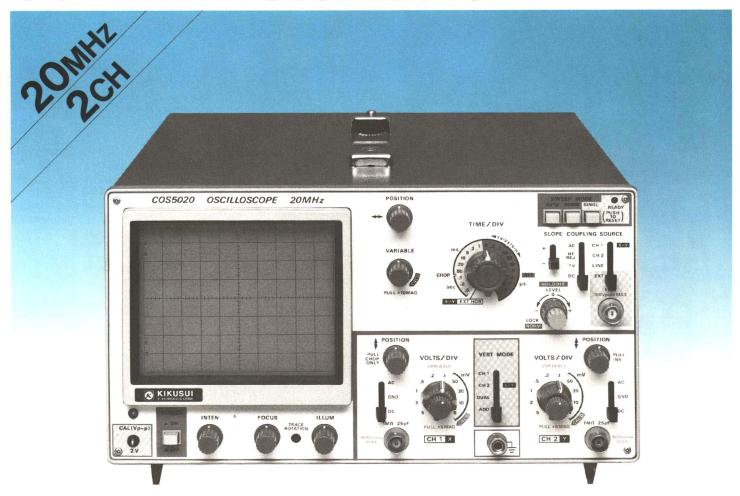
## COS5020 OSCILLOSCOPE



Designed for production line, education, maintenance and field service use.

- Low cost high performance.
- Compact and easy to operate.

## **SPECIFICATIONS**

<Vertical Axis >
Sensitivity
(within ×5MAG.)
Frequency response
(within ×5MAG.)
Rise time
Input impedance
Input coupling mode
Polarity
Operation mode

CHOP frequency CH1 output signal <Horizontal Axis > Sweep time (with ×10MAG.) <X-Y Mode > Mode Sensitivity

< X-Y MODE >
Mode
Sensitivity
Frequency response
X-Y phase difference
< EXT HOR Mode >

<Trigger>
Trigger mode
Trigger source

1-2-5 sequence. 10 positions  $5\text{mV/div} \sim 5\text{V/div}$  (within  $\pm 3\%$ )  $1\text{mV/div} \sim 1\text{V/div}$  (within  $\pm 5\%$ ) DC (AC: 10Hz)  $\sim 20\text{MHz}$  (-3dB, 8div) DC (AC: 10Hz)  $\sim 15\text{MHz}$  (-3dB, 8div) 17.5ns (20MHz) 23ns (15MHz)  $14\text{MM} \simeq 2\%$ ,  $25\text{pF} \pm 2\text{pF}$ , Parallel AC, DC, GND Possible for CH2 alone CH1, CH2, DUAL, ADD, X-Y (DUAL automatic switching ALT and CHOP) 250MHz approx. 50mV/div at  $50\,\Omega$  1-2-5 sequence, 20 positions  $0.2\,\mu\text{s} \sim 0.5\text{s/div}$  (within  $\pm 3\%$ )  $20\text{ns} \sim 50\text{ms/div}$  (within  $\pm 5\%$ )

CH1:X axis 5mV~5V/div DC~2MHz 3° or less (DC~50kHz) Trace swept by an external horizontal signal applied to the EXT TRIG IN terminal. Vertical axis modes are CH1, CH2, DUAL and ADD modes in the CHOP mode.

AUTO, NORM, SINGLE CH1, CH2, LINE, EXT

- Hold-off function.
- ADD mode.
- CH1 signal output.

Coupling mode Polarity <Z Axis > Sensitivity

Frequency response Input resistance < Calibration Voltage > Waveform Output voltage < CRT > Fluorescent screen Acceleration voltage Effective area

< Power Requirements > AC line voltages

Frequency Power consumption <Dimensions >

## (Max.)

<Operating Temperature >
<Weight >
<Accessory Supplied >

AC, HF REJ, DC, TV "+" and "-"

 $3\mbox{Vp-p}$  (Trace becomes brighter with negative input signal) DC  $\sim 5\mbox{MHz}$   $5\mbox{K}\,\Omega$  approx.

Square wave. 1kHz approx. 2V  $\pm 3\%$  6-inch rectangular, internal graticule

P31 2.2kV approx. 8×10div (1div=10mm)

Quick-change line voltage selector, 100V, 115V, 215V, 230V  $\pm$ 10% 50/60Hz 35VA approx. 280W  $\times$ 150H  $\times$ 370Dmm/ 11.0W  $\times$ 5.91H  $\times$ 14.6D inch 285W  $\times$ 180H  $\times$ 440Dmm/ 11.2W  $\times$ 6.9H  $\times$ 17.3D inch

5°C~35°C 7.1kg approx./15.4 lbs 2 probes P060-S