

ST2030 Oscilloscope



General Description

The 30 MHz oscilloscope are dual-channel oscilloscope with maximum sensitivity of 5mV/DIV. The time base provides a maximum sweep time of 0.2 uS/DIV. when magnified by 10, the sweep speed is 20nS/DIV. Each of these oscilloscope employs a 6-inch rectangular type cathode-ray tube with red internal graticule. These oscilloscope are sturdy, easy to operate and exhibits high operational reliability.

Features

1. Max. Vertical Sensitivity 1 mV/div
2. TV-V, TV-H Sync Separator
3. Alternate trigger
4. Z axis TTL Level
5. Max. TB Speed

Technical Specification

VERTICAL AXIS

Bandwidth	DC-30 MHz
Deflection Coefficients sequence	5mV/div-20V/div, 12 steps in 1-2-5
Variable	Continuously Variable to 1/2.5 or less than panel-indicated value
Rise time	Approx 11.7 ns
Input impedance	1 M ohm//25pF (approx.)
Vertical modes	CH1, CH2 : DUAL ALT or CHOP (250 KHz), ADD AC,GND,DC
Input coupling	400V pp
Maximum input voltage	

HORIZONTAL AXIS

Sweep time	0.2 s/div-0.5 Sec/div, 20 steps in 1-2-5 sequence
Sweep time accuracy	+/- 3%
Sweep variable	<1/2.5 of panel-indicated value
Sweep magnification	10 times

X-Y MODE

Bandwidth	DC to 500 KHz (minimum)
X-Y phase difference	≤ 3° at DC~50 KHz

Z AXIS

Modulation	TTL Level
Frequency bandwidth	DC~2 MHz

TRIGGERING

Triggering source	CH1,CH2,LINE,EXT,ALT
Coupling	AC: 20Hz to full bandwidth
Slope	Positive or Negative
Triggering modes	AUTO,NORM,TV-V, TV-H.
EXT triggering	
Input	
Variable	1 M ohm//25 pF (approx.)
Max. input voltage	400V (DC+AC peak)

CALIBRATION OUTPUT

Waveform	Square wave
Frequency	1 KHz (approx.)
Output voltage	2 Vpp ± 2%

CRT

Type	6-inch rectangular type, internal graticule.
Acceleration voltage	Approx. 2KV
Effective screen size	8x10 div (1 div = 10mm)

POWER REQUIREMENTS

220V±10%, 50 Hz Power consumption: Approx. 40VA, 35W (max.)

DIMENSIONS:

310W x 150 Hx455 D (mm)

ACCESSORIES:

Power cord/no, User manual 1 no.

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