

ST 1010 Oscilloscope



Feature:

- > Digital coding sweep switch, convenient operation, accurate orientation and high performance;
- > Small scale, light and Flexible;
- > High sensitivity and wide scale of Y deflection

Specification	ST1010
Vertical Deflection System	
Deflection factor	5mV- 5V/div \pm 5%
Variable ratio	\geq 2.5:1
Frequency bandwidth (-3db)	DC:0 - 10MHz AC: 10HZ - 10MHz
Input Impedence	1M Ω 25pF
Max Input Voltage	400 Vpk
Horizontal Deflection System	
Sweep time factor	0.1 μ s/div - 0.1s/div \pm 5%
Variable Ratio	\geq 2.5:1
Trigger System	
Trigger sensitivity	INT: 1.5div EXT: 0.3V
EXT input impedance	1M Ω 20pF
EXT max. input voltage	400Vpk
Trigger mode selector	INT, EXT, LINE, TV
Trigger mode	NORM, AUTO, TV, LOCK
X-Y MODE	
Deflector factor	0.2V/div - 0.5V/div
Frequency bandwidth (-3db)	DC: 0 - 500KHz AC: 10HZ - 500KHz
Calibration Signal	
Waveform	Square wave
Amplitude	0.5V \pm 2%
Frequency	1KHz \pm 2%
Physical Specification	
Effective working area	8 x 10div 1div=6mm
Power	AC: 220V \pm 10% 50Hz
Max power consumption	About 20W
Weight	3 KGS
Size	90H x 220W x 290D (mm)

Salicon Nano Technology Pvt. Ltd.

111, 1st Floor, Laxmi Deep Tower, Laxmi Nagar District Center, Delhi - 110092, INDIA,
 Tel: 91-11-22525940, 40618940; Fax; 91-11-22525941; E-mail: info@salicontech.com; Web: www.salicontech.com

ST2025 Oscilloscope



Technical Specification

VERTICAL AXIS

Bandwidth	DC-25 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 15.3
Input impedance	1 M ohm//25pF (approx.)
Vertical modes	CH1, CH2 : DUAL ALT or CHOP (250 KHz), ADD AC,GND,DC
Input coupling	350V peak
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	350V (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.

General Description

The 25 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

Salicon Nano Technology Pvt. Ltd.

111, 1st Floor, Laxmi Deep Tower, Laxmi Nagar District Center, Delhi - 110092, INDIA,
Tel: 91-11-22525940, 40618940; Fax; 91-11-22525941; E-mail: info@salicontech.com; Web: www.salicontech.com