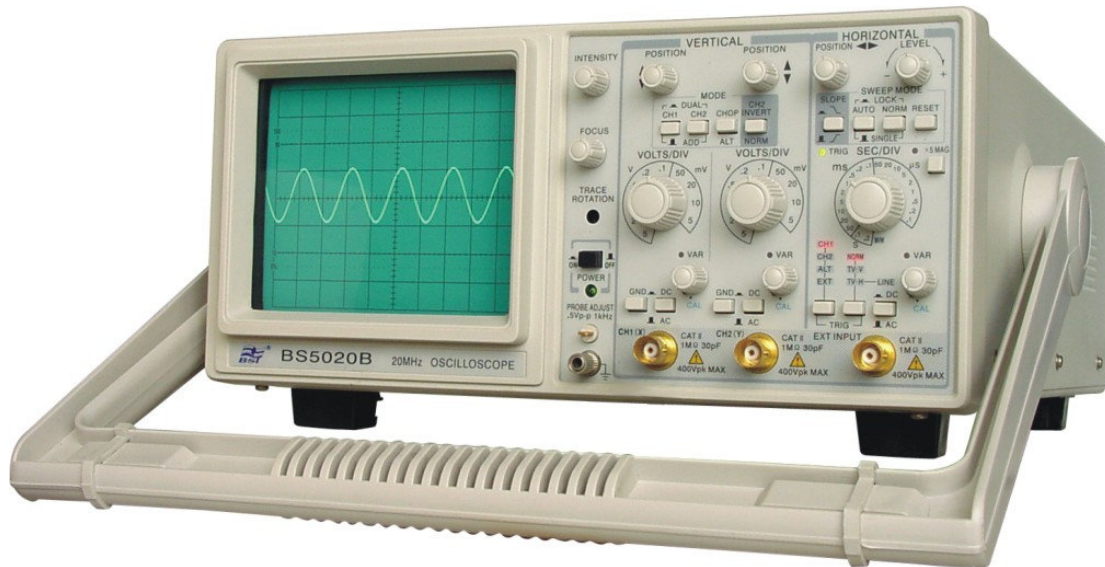


BS5020B**20MHz oscilloscope with SMT Technology****Feature:**

- SMT (Surface Mount Technology) to improve performance and reliability
- Electronic Switches to Enhance Product Stability
- 2 Channels, 4 Traces Operation
- LED Panel Indication
- Flexible Triggering Source Selection: Alt, Trig Alt Mag, Trig Lock, Single Trig.
- High Sensitivity up to 5mV/div
- Sweep Rate from 0.1uS/Div to 0.2S/Div
- Trigger Signal Output
- Z-axis Input
- High Accurate Calibration Signal
- CE Approved, CATII 600V CE-EMC & LVD

Specifications

Vertical System

Sensitivity	5mV/DIV ~ 5V/DIV $\pm 3\%$, 1-2-5 step, 10 calibrated steps
Bandwidth(-3dB)	DC: 0 ~ 20MHz AC: 10Hz ~ 20MHz
Rise Time	$\leq 17.5\text{ns}$
Overshot	$\leq 5\%$
Damp	$\leq 5\%$
Input Impedance	1M Ω $\pm 3\%$ // 30pF $\pm 5\%$ (direct), 10M Ω $\pm 5\%$ // 23pF (by probe)
Maximum Input Voltage	400V (DC + AC peak)
Operation Mode	CH1, CH2, ALT, CHOP, ADD, X-Y
Coupling Mode	AC, GND, DC
Slope Inverting	CH2 Only
Channel isolation	$\geq 35:1$ (DC-20MHz)
Common mode rejection ratio	$\geq 50:1$ (<100kHz)

Trigger System

		Frequency	INT	EXT
Trigger Sensitivity	NORM	5Hz – 20MHz	1 DIV	0.2V _{p-p}
	TV	5Hz – 20MHz	2 DIV	0.3V _{p-p}
	LOCK	20Hz – 10MHz	2 DIV	-
Ext. Trigger Input Impedance	1M Ω $\pm 5\%$ // 30pF $\pm 5\text{pF}$			
Ext. Trigger Maximum Input Voltage	400V (DC+AC peak)			
Trigger Sources	CH1,CH2,LINE ,ALT,EXT			
Trigger Mode	AC/DC(EXT), NORM/ TV-V, TV-H			

Horizontal System

Sweep Mode	AUTO, TRIG, LOCK, SINGLE
Sweep Time	0.1 μ s to 0.25s/DIV \pm 3%, in 20 calibrated steps (1-2-5seq)
MAG	$\times 5 \pm 5\%$
Variable	$\geq 2.5:1$

X-Y Mode

Sensitivity	Same as the vertical system
Signal Input	X-Axis: CH1 Y-Axis: CH2
Bandwidth (-3dB)	AC: 10Hz-1MHz DC: DC-1MHz
X-Y Phase Difference	$\leq 3^\circ$ (DC ~ 50kHz)

Z Axis System

Input Signal	TTL Level
Maximum Input Voltage	50V (DC + AC peak)
Band Width	DC ~ 5MHz
Input Impedance	10k Ω
Input Polarity	Low level to brighten

Calibration Signal

Waveform	Symmetric Square Wave
Amplitude	0.5V $\pm 2\%$
Frequency	1kHz $\pm 2\%$

Output

Trig Output	≥ 50 mV/div (50 Ω)
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CRT

Display Area	8 \times 10DIV 1DIV=10mm
Display Color	Green



Power Source

Voltage Range	220V \pm 10% or 110V \pm 10%
Frequency	50Hz \pm 5%
Power Consumption	About 35VA

Physical Features

Weight	6.5kgs
Dimensions	285mm \times 130mm \times 285mm

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