

## GENERAL SPECIFICATIONS

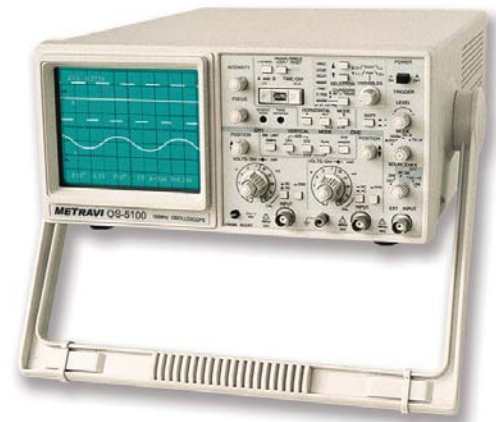
This oscilloscope is small and of light-weighted. It has the function of B delay sweep and has the following features:

- Wide frequency range: DC-100MHz -3dB.
- High sensitivity: 1mV/DIV (×5 MAG).
- In ALT (A and B alternately sweeps) mode, four traces are displayed.
- Fast sweep rate to 5ns/DIV by magnifying 10.
- The function of B TRIG'D can decrease the delay shrinking.
- Hold-off function makes it easier to catch the complex triggering signals.

### Accessories

The standard accessories supplied are as follows:

(1) Oscilloscope	1
(2) Probe	2
(3) Power cord	1
(4) Instruction manual	1
(5) Spare fuses	2



## TECHNICAL SPECIFICATIONS

### Vertical Axis

CH1 and CH2 sensitivity	5mV/DIV to 5V/DIV 1-2-5 step, 10 calibrated steps (1mV/DIV to 1V/DIV at×5 MAG)		
Accuracy	×1:±5%, ×5:±8% (Vertical knob is set to CAL position)		
Variable vertical sensitivity	Be less than 1/2.5 times indicated sensitivity value		
Frequency band width×5MAG	DC:DC to 100MHz AC:10Hz to 100MHz -3dB DC:DC to 15MHz AC:10Hz to 15MHz -3dB		
20MHz Bandwidth	DC:DC to 20MHz AC:10Hz to 20MHz -3dB		
Rise time	Approximately 3.5ns Approximately 23ns by ×5MAG Approximately 17.5ns with the bandwidth of 20MHz		
Input impedance	1MΩ±2%, 25 pF±3pF		
Maximum input voltage	400V (DC+AC peak) 1kHz		
Input coupling system	AC-GND-DC		
Operating systems	CH1, CH2, ADD, DUAL(CHOP?ALT)		
Invert	Only CH2 signal is inverted		
Overshoot	Max 8%		

### Triggering

Trigger mode	AUTO, NORM, TV-V, TV-H		
Trigger signal source	INT, CH2, LINE, EXT		
Polarity	+, -		
Coupling system	AC coupling		
Sensitivity	Frequency	INTEXT	EXT
	DC~10MHz	0.48 div	200mV
	10MHz~100MHz	2 div	500mV
TVSynchronization	INT	Min 2 div	
	EXT	Max 1 Vp-p	

### EXT trigger input

Input Impedance	About 1MΩ 25pF
Max Input Voltage	400V(DC+ACpeak) 1kHz

### Z-axis

Input Impedance	About 40kΩ
Max Input Voltage	30V(DC+ACpeak)
Bandwidth	DC~2MHz
Input signal	±5V (Negative intensity)

### Time axis

Sweep mode	A, B, B TRIG'D, X-Y, ALT
Sweep time	A: 0.05μs to 0.2s/DIV±5%, in 21 calibrated steps(1-2-5 seq) B: 0.05μs to 10s/DIV±5%, in 8 calibrated steps(1-2-5 seq)
Sweep expansion	×10 MAG: ±8% (0.1, 0.05μs/DIV: Non-Cal)
Sweep Rate Varb	Less than 1/2.5
Delay System	Continuous delay or Triggering delay
Delay Time	0.2μs~2s
Hold-off	Continuous change for 2 times

### X-Y operation

Operating mode	CH1 X-axis and CH2 Y-axis When in X-Y operation mode
Sensitivity	As vertical axis
X-axis band width	DC~2MHz
Phase difference	≤ 3° (DC~100kHz)

### CAL voltage

Frequency	About 1kHz
Waveform	Square wave
Output level	0.5V (±3%)
Duty	≤ 48: 52 (min)

### CRT

Type	6 inch square internal scale
Acceleration voltage	About 12kV
Effective screen	8div (vertical direction)×10div (horizontal direction)

### Power supply

Voltage	Range	Fuse	Voltage
	198V~242V	1A/250V	220V
Frequency	99V~121V	2A/250V	110V
	50Hz~60Hz		
Power consumption	55W		

### Environmental conditions

Operating temperature	0°C to 40°C
Operating humidity	35% to 85%
Guaranteed operating temperature	10°C to 35°C
Guaranteed operating humidity	45% to 80%
Guaranteed maintained temperature	-20°C to 70°C
Guaranteed maintained humidity	35% to 85% (Less than 70% at temperature exceeding 50°C)

### Mechanical specifications

Physical dimensions	Height	Width	Length
	135 (H)	322 (W)	368 (D)
Weight	Approximately 7.5kg		

\*Technical Specifications & Appearance are subject to change without prior notice