

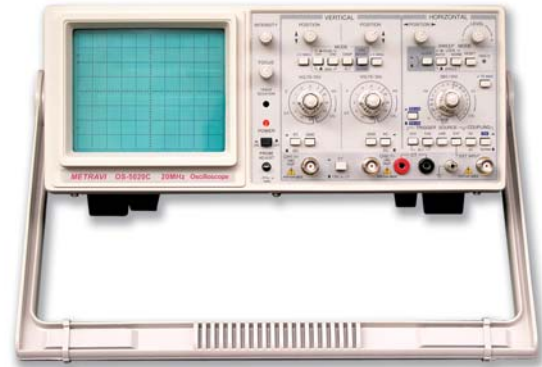
### GENERAL SPECIFICATIONS

This is a portable kind of oscilloscope for two traces. The bandwidth is 0~20MHz. Its vertical deflection factor is 5mV/div and to 1mV/div by Magnification. Full bandwidth sweeping circuit is used in the sweeping system. The flexible and convenient triggering mode has the functions for selecting signals from one channel or triggered by Ext signals. And there is another function of ALT trigger to observe signals from two irrelative channels.

The instrument has the functions of TV-H TV-V synchronization and trigger-lock to observe all kinds of signals stably. And from the terminal for trigger input, CH1 and CH2 signals can be output along with the triggering channel to connect the Ext frequency counter.

The instrument is of easy operation with comfortable controllers. Its reasonable structure and technology makes it conveniently to repair and calibrate.

**Component test:** Component tester is the special circuit with which a single component or components in or out of actual circuit board can be easily tested requiring no power to drive the circuit.



### TECHNICAL SPECIFICATIONS

Y Deflection Factor	
Item	Specification
Operating mode	Y1, Y2, ALT, CHOP, ADD, X-Y
Deflection Factor(Y1 or Y2)	5mV/div~20V/div in 1-2-5 sequence, altogether 12 steps. Error <3%
MAG Rate	× 5 Error < 5%
Frequency Bandwidth	AC: 10Hz~20MHz -3dB DC: 0~20MHz -3dB
Frequency Bandwidth by MAG	AC: 10Hz~5MHz -3dB DC: 0~5MHz -3dB
Rising time	<18ns, ≤ 70ns by MAG
Overshot	≤ 5%
Damp	≤ 5%
Coupling Mode	AC ⊥ DC
Input Impedance	1±5%MΩ//≤30pF(direct) 10±5%MΩ≤23pF (by probe)
Max Safe Voltage	400V(DC+ACp-p)
Slope Inverting	Y2 only
Triggering System	
Triggering Source	Y1,Y2,ALT,POWER,EXT
Coupling	AC/DC(EXT), NORM/TV-H, TV-V
Polarity	+ , -
Synchronized Frequency Range	Auto: 50Hz~20MHz
Min. Synchronized	Trig: DC~20MHz
Trigger Level	INT: 1div; EXT: 0.2Vp-p TV: INT: 2div EXT: 0.3Vp-p Trig Lock (50Hz~10MHz) INT: 2div
Input Impedance (by EXT trigger)	1±5% MΩ ≤ //30pF
Max Safe Voltage	400V(DC+ACp-p)
Horizontal System	
Sweep mode	AUTO,TRIG,LOCK,SINGLE
Sweep time Factor	0.1μs/div~0.2s/div in 1-2-5 sequence altogether 20 steps Error <3%
MAG	×10 Error <8%

Item	Specification
X-Y Mode	
Signal Input	X-Axis: Y1 Y-Axis: Y2
Deflection Factor	Same as Y1
Frequency Response	AC: 10Hz~1MHz -3dB DC: 0~1MHz -3dB
Input Impedance	Same as Y1
Max Safe Voltage	Same as Y1
X-Y Phase Difference	<3°(DC~50kHz)
Z-Axis System	
Min Input Level	TTL Level
Max Input Voltage	50V(DC+ACp-p)
Input Resistance	10kΩ
Input Polarity	Low level to brighten
Frequency Range	DC ~ 5MHz
Signals for Probe Calibration	
Waveform	Square wave
Amplitude	0.5±2% Vp-p
Frequency	1±2%kHz
CRT	
Persistence	Middle persistence
Working Area	8cm×10cm (1cm=1div)
Power Supply	
Power	230 ±10%V
Frequency	50 ± 5%Hz
Power Consumption	About 35VA
Physical Characteristics	
Weight	7.2kg
Dimension	320mm×130mm×400mm

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