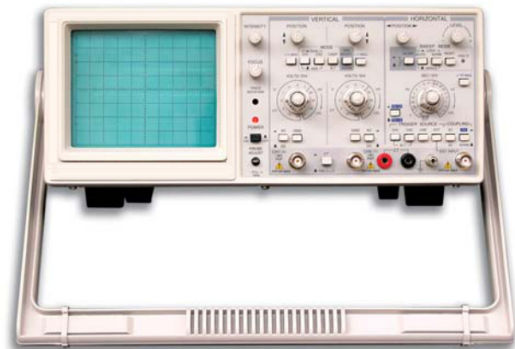


## 30MHZ DUAL TRACE DUAL CHANNEL OSCILLOSCOPE WITH COMPONENT TEST FACILITY

**Model : CRO302C**

### **GENERAL SPECIFICATION :**

This is a portable kind of oscilloscope for two traces. The bandwidth of 30MHz is 0~30MHz. 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 controls. 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 SPECIFICATION :**

Item	Specification
<b>Y Deflection Factor</b>	
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	x5 Error <5%
Frequency Bandwidth	AC: 10Hz~30MHz -3dB DC: 0~30MHz -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%MW£30pF(direct) 10±5%MW£23pF (by probe)
Max Safe Voltage	400V(DC+ACp-p)
Slope Inverting	Y2 only

## **VJAYANTA TECHNOLOGIES PVT. LTD.**

(Formerly Vijai Electronics)

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<b>Triggering System</b>	
Triggering Source	Y1,Y2,ALT,POWER,EXT
Coupling	AC/DC(EXT), NORM/TV-H, TV-V
Polarity	+, -
Synchronized Frequency Range	Auto: 50Hz~30MHz
Min. Synchronized Trigger Level	Trig: DC~20MHz INT: 1div; EXT: 0.2Vp-p TV: INT: 2div EXT: 0.3Vp-pTrig Lock (50Hz~10MHz) INT: 2div
Input Impedance (by EXT trigger)	1±5%MW£30pF
Max Safe Voltage	400V(DC+ACp-p)
<b>Horizontal System</b>	
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%
<b>X-Y Mode</b>	
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)
<b>Z-Axis System</b>	
Min Input Level	TTL Level
Max Input Voltage	50V(DC+ACp-p)
Input Resistance	10kW
Input Polarity	Low level to brighten
Frequency Range	DC ~5MHz
<b>Signals for Probe Calibration</b>	
Waveform	Square wave
Amplitude	0.5±2% Vp-p
Frequency	1±2kHz
<b>CRT</b>	
Persistence	Middle persistence
Working Area	8cm×10cm (1cm=1div)
<b>Power Supply</b>	
Power	230±10%V
Frequency	50±5%Hz
Power Consumption	About 35VA
<b>Physical Characteristics</b>	
Weight	7.2kg Approximately
Dimension	320mm×130mm×400mm

**Note** - Technical Specifications & Appearance are subject to change without prior notice.

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