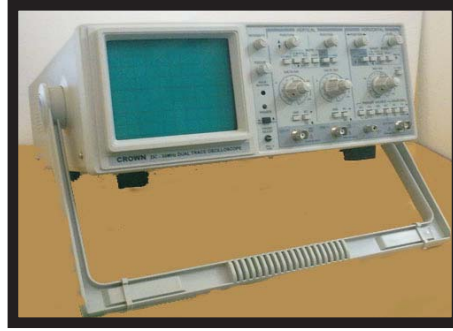


**CROWN****DC - 30 MHz DUAL TRACE OSCILLOSCOPE****SPECIFICATION:****Y Deflection Factor :**

Operating Mode	:	Y1 , Y2 , ALT , CHOP , ADD , X - Y
Deflection Factor (Y1 or Y2)	:	5mV / div ~ 10V / div in 1-2-5 sequence , Altogether 11 steps . Error $\pm$ 5%
MAG Rate	:	X 5 Error $\pm$ 5%
Frequency Bandwidth	:	AC : 10 Hz ~ 30 MHz - 3dB DC : 0 ~ 30 MHz - 3dB
Frequency Bandwidth by MAG	:	AC : 10 Hz ~ 5 MHz - 3dB DC : 0 ~ 5 MHz - 3dB
Rising Time	:	About 12ns , about 70ns by MAG
Overshoot	:	$\leq$ 8%
Damp	:	$\leq$ 8%
Coupling Mode	:	AC , $\perp$ , DC
Input Implement	:	$1 \pm 5\%$ M $\Omega$ // $\leq$ 30pF (direct) $10 \pm 5\%$ M $\Omega$ // $\leq$ 23pF (by probe)
Max Safe Voltage	:	400V (DC + AC p-p)
Slope Inverting	:	Y2 only

**Triggering System :**

Triggering Source	:	Y1 , Y2 , ALT , Power , EXT
Coupling	:	AC / DC (EXT) , NORM / TV
Polarity	:	+ , -
Synchronized Frequency Range	:	Auto : 50Hz ~ 30 Mhz
Min. Synchronized Trigger Level	:	Trig : 5Hz ~ 30 MHz INT : 1.5DIV ; EXT : 0.2V p-p TV : INT : 2div EXT : 0.3V p-p Trig Lock (20Hz ~ 30 MHz ) INT : 2 div

For further details please contact :

**CROWN ELECTRONIC SYSTEMS**

An ISO 9001: 2000 CERTIFIED COMPANY

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**CROWN OFFERS YOU A WIDE RANGE OF:** OSCILLOSCOPE , AUDIO OSCILLATOR , FUNCTION GENERATOR , DC REGULATED POWER SUPPLY, DIGITAL FREQUENCY COUNTER/ MILLI OHM METER/ pH METER/ DPM,s FOR V,A, Hz., AND WATT, VTVM, LCR METER, HIGH VOLTAGE BREAK DOWN TESTER, AF POWER OUTPUT METER, AND ALL OTHER INSTRUMENTS, COMPONENTS AND ACCESSORIES, FOR ELECTRONICS AND ELECTRICAL LAB.

Input Impedance (by EXT trigger) :  $1 \pm 5\% \text{ M}\Omega // \leq 30\text{pF}$   
Max Safe Voltage : 400V (DC + AC p-p)

### **Horizontal System:**

Sweep Mode : AUTO , TRIG , LOCK , SINGLE  
Sweep time Factor :  $0.1 \mu\text{s} / \text{div} \sim 0.2\text{s} / \text{div}$  in 1 - 2 - 5 sequence  
Altogether 20 steps Error  $\pm 5\%$   
MAG : X 5 Error  $\pm 10\%$

### **X - Y Mode :**

Signal Input : X - Axis : Y1 , Y - Axis : Y2  
Deflection Factor : Same as Y1  
Frequency Response : AC : 10 Hz ~ 1 MHz - 3dB  
DC : 0 Hz ~ 1 MHz - 3dB  
Input Impedance : Same as Y1  
Max Safe Voltage : Same as Y1  
X - Y Phase Difference :  $\leq 3^\circ$  (DC ~ 50 KHz)

### **Z - Axis System :**

Min Input Level : TTL Level  
Max Input Level : 50V (DC + AC p-p)  
Input Resistance : 10 K $\Omega$   
Input Polarity : Low Level to brighten  
Frequency Range : DC ~ 5 MHz

### **Signals for Probe Calibration:**

Waveform : Square wave  
Amplitude :  $0.5 \pm 2\% \text{ V p-p}$   
Frequency :  $1 \pm 2\% \text{ KHz}$

### **CRT :**

Persistence : Middle Persistence  
Working Area : 8cm X 10cm (1cm = 1div)

### **Power Supply :**

Power :  $220 \pm 10\% \text{ V}$   
Frequency :  $50 \pm 5\% \text{ Hz}$   
Power Consumption : About 35 VA