



# C.R.O. TRAINER

MODEL - CRODM100

The trainer provides complete setup for the practical and experimental knowledge Of a general circuit of CRO with fault creating facility.



## SPECIFICATIONS

- Operating Modes : CH I and II Alternate or Chopped (at 100 KHz),X-Y operation : 1 : 1
- Vertical Deflection : (Both Channels)  
Band Width : DC-20MHz (-3dB)  
Rise Time : 17.5 nSec.  
Deflection Co-efficient : 12 steps, 5mV/cm to 20V/cm in 1-2-5 sequence  
Accuracy :  $\pm 3\%$   
Input Impedance : 1M ohm || 30 pf.  
Input coupling : DC AC GND  
Maximum Input : 350V (DC+ Peak AC)
- Time Base :  
Time coefficient : 18 steps, 0.5 $\mu$ s/cm to 0.2s/cm in 1-2-5 sequence with Magnified x5 to 100n/Sec/cm with variable to 40nSec/cm.  
Accuracy :  $\pm 3\%$   
Sweep output : 5V pp
- Trigger System  
Modes : Auto or variable.  
Source : CH I or CH II, External  
Slope : + ve or - ve  
Coupling : AC, TV frame  
Sensitivity : Internal 0.5cm and external 1 V  
Trigger Bandwidth : 30MHz.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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**Dealer:-**

5. Horizontal Deflection
  - Bandwidth : DC -2MHz (-3dB)
  - XY Mode : Phase shift  $< 5^\circ$  at 50KHz
  - Deflection Coefficient : 12 calibrated steps, 5mV/cm to 20V/cm
  - Input impedance : 1M ohm || 30pf.
6. Component Tester
  - Test Voltage : Max. 8.6V rms.
  - Test Current : Max. 8mA rms.
  - Test Frequency : 50Hz.
7. Display
  - Cathode Ray Tube : 140mm rectangular tube with internal gratitude, P31 Phosphor.
  - Accelerating Voltage : 2KV
  - Display : 8x10cms.
  - Trace Rotation : Adjustable
8. Calibrator
  - Square wave of 1KHz (Approx)  $0.2V \pm 1\%$
  - Z Modulation : TTL level.
  - Mains Voltage :  $230V \pm 10\%$ , 50Hz AC
9. Standard Accessories : Mains cord, BNC to BNC probes (02 Nos.)  
Probe Tip Cable, Test probe, Switchable probe x1-x10 (02 Nos),
10. Instructional and experimental manual.