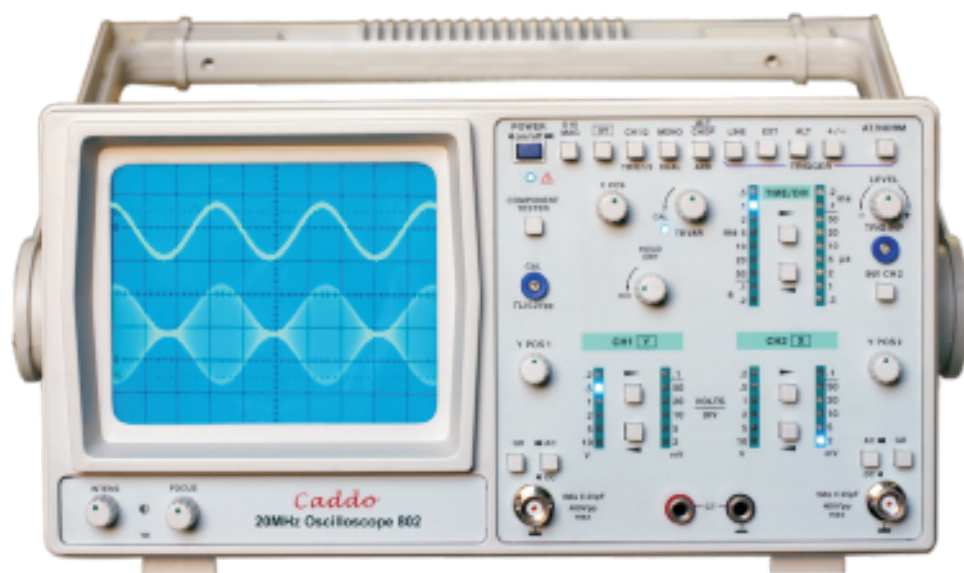


20 MHz MicroController Based Dual Trace Oscilloscope with Component & Continuity Tester



- ⦿ Microcontroller based
- ⦿ Digital Touch
- ⦿ New Trendy Look
- ⦿ Indigenously Designed
- ⦿ RS232 Interface & PC Software
- ⦿ User friendly

New Trendy Oscilloscope - Freedom from Mechanical Switching

Caddo 802 is a Completely Indigenously designed Microcontroller Based Oscilloscope. Besides having a New Trend Look, it gives you feel of smooth Digital Touch. It's super bright LED's display Volts/Div and Time/Div steps when these controls are operated. Equipped with RS232 Interface and PC software, Caddo 802 can be remotely controlled for these settings. Rugged yet light weight, 802 has sharp and bright trace. Manufactured in a ISO 9000-2001 factory Caddo 802 is the ideal scope for education.

Unique Features

- Super bright LED's for display of volts and Time/Div
- RS 232 interface and PC Software
- X 10 Magnification
- 20 ns max sweep speed
- Stable triggering upto 40MHz
- Alternate triggering
- Variable hold off & Line triggering
- Sharp Trace CRT & Auto focus
- Component & Continuity Tester

Caddo 802

Microcontroller based 20 MHz-2mV Dual Trace Oscilloscope with Component & Continuity Tester

Technical Specifications

Operating Modes

Channel 1, Channel 2, Channel 1 & 2 Alternate or chopped (approx. 350 KHz), X-Y operation (Ratio 1:1 Input via CH 2), Add/ Sub CH 1 \pm CH 2, Invert CH 2.

Vertical deflection (Y)

(Identical channels)

Bandwidth : DC-20 MHz(-3dB)
DC-28MHz(-6dB)

Risetime : 17.5 ns (approx.)

Deflection coefficients :

12 calibrated steps 2mV/cm - 10V/cm (1-2-5 sequence) Adjustable by glowing LEDs

Accuracy : \pm 3%

Hold-Off : Variable Control for stable Triggering

Input Impedance : 1 M Ω || 25pF (approx.)

Input coupling : DC-AC-GND

Maximum Input voltage : 400 V (DC + Peak AC)

Timebase :

Time coefficients : 18 calibrated steps, 0.5 μ s/cm-0.2 s/cm (1-2-5 sequence) with magnifier X10 to 50 ns/cm, with variable control to 20 ns/cm.

Accuracy : \pm 3% (in Cal position)

Ramp output : 5 V_{pp} (approx.)

Trigger System :

Modes : Automatic or Variable Trigger level

Source : CH 1, CH 2, ALT-CH 1/CH 2, Line, Ext.

Slope : Positive or Negative

Coupling : AC, Line Trigger

Sensitivity : Int 5 mm., Ext 0.8 V (approx.)

Trigger Bandwidth : 40 MHz

Horizontal Deflection (x) :

Bandwidth : DC-2.3 MHz (-3 dB)

X-Y mode : Phase Shift < 3° at 60 KHz

Deflection coefficients : 12 calibrated steps 2mV/cm-10 V/cm (1-2-5 sequence)

Input Impedance : 1 M Ω || 25 pF (approx)

Built-in Single Touch

Component Tester

Test Voltage : Max 8.6 V_{rms} (Open)

Test Current : Max 8 mA_{rms} (Shorted)

Test Frequency : 50Hz, Test circuit grounded to chassis

Continuity Tester :

Beeper sounds < 75 Ω approx.

General Information

Cathode Ray Tube : 140 mm

Rectangular tube with internal graticule. P31 Phosphor

Accelerating potential : 2K V

Display : 8 x 10 cm

Trace rotation : Adjustable on front panel

Calibrator : Square Wave generator 1 KHz(approx.), 0.2 V \pm 1% for probe compensation.

Z Modulation : TTL level

Stabilized Power Supply :

All operating voltages including the EHT.

Mains voltage : 230V \pm 10%, 50 Hz

Power Consumption : 33 VA (approx.)

Weight (approx) : 7.5 Kg (approx.)

Dimensions (mm) : W285-H145-D380

Operating Temp. : 0-40°, 95% RH

Finish : Off white with handle and tilt stand.

Included Accessories:

- | | |
|--------------------------|--------|
| 1. Manual | 1 No. |
| 2. BNC-Test Prod | 1 No. |
| 3. BNC - Crocodile Cable | 1 No. |
| 4. Test Prods | 1 pair |

Subject to change



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