



## Caddo 802

### **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 CH2), Add/ Sub CH1  $\pm$  CH2, Invert CH2

#### **Vertical Deflection (Y)**

(Identical channels)

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

Risetime : 17.5 ns (approx.)

Deflection co-efficients : Micro-controller based 12 calibrated steps 2mV/Div (1-2-5 Sequence). Adjustable by up-down keys. Step position indicated by glowing LEDs.

Accuracy :  $\pm 3\%$

Hold-off : Variable Control for stable Triggering

Input Impedance :  $1M\Omega \parallel 30pF$  (approx.)

Input coupling : DC-AC-GND

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

#### **Timebase :**

Time co-efficients : Micro-controller based 18 calibrated steps,  $0.5\mu s/Div$ - $0.2s/Div$  (1-2-5 Sequence) with magnifier X10 to  $50ns/Div$ , with variable control to  $20ns/Div$ .

Adjustable by updown keys. Step position indicated by glowing LEDs.

Accuracy :  $\pm 3\%$  (in Cal position)

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

#### **Trigger System :**

Time coefficients : Micro-controller based 18 calibrated steps,  $0.5\mu s/Div$ - $0.2s/Div$  (1-2-5 Sequence) with magnifier X10 to  $50ns/Div$ , with variable control to  $20ns/Div$ . Adjustable by up down keys. Step position indicated by glowing LEDs.

Accuracy :  $\pm 3\%$  (in Cal position)

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

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### **Trigger System :**

Modes : Auto/ Level  
Source : CH1, CH 2, ALT-CH1/CH2, Line, Ext  
Slope : Positive or Negative  
Coupling : AC, Line Trigger  
Sensitivity : Int 5mm, Ext. 0.8V (approx.)  
Trigger Bandwidth : 40MHz

### **Horizontal Deflection (X) :**

Bandwidth : DC-2.3 MHz (-3dB)  
X-Y mode : Phase Shift < 3° at 60KHz

Deflection Co-efficients : Micro-controller based 12 calibrated steps  
2mV/Div-10V/Div (1-2-5 sequence). Adjustable by up-down keys. Step position indicated by glowing LEDs.

Input Impedance : 1 M $\Omega$  || 30pF (approx.)

### **Built-in single Touch Component Tester**

Test Voltage : Max 8.6 Vrms (open)  
Test Current : Max 8mArms (shorted)  
Test Frequency : 50Hz, Test circuit grounded to chassis  
Continuity Tester : Beeper sounds < 75  $\Omega$  approx.

### **General Information**

Cathode Ray Tube : 140mm Rectangular tube with internal graticule. P31 Phosphor  
Accelerating Potential : 2KV (approx.)  
Display : 8 x 10 cm  
Trace rotation : Adjustable on front panel  
Calibrator : Square Wave Generator 1 KHz (approx.), 0.20V  $\pm$  1% for probe compensation

Z modulation : TTL Level  
Stabilized Power Supply: All operating voltages including the EHT.  
Mains voltage : 230V  $\pm$  10%, 50Hz

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Power Consumption : 33VA (approx.)  
Weight (approx.) : 7.5 Kg (approx.)  
Dimensions (mm) : W285-H145-D380  
Operating Temp. : 0-40° , 90% RH  
Finish : Off White with handle cum tilt stand

**Included Accessories :**

1. Manual : 1 No.
2. BNC-Test Probe Cable : 1 No.
3. BNC – Crocodile Cable : 1 No.
4. Test Prods : 1 pair
5. RS232 Cable : 1 No.
6. PC Control Software : 1 CD

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