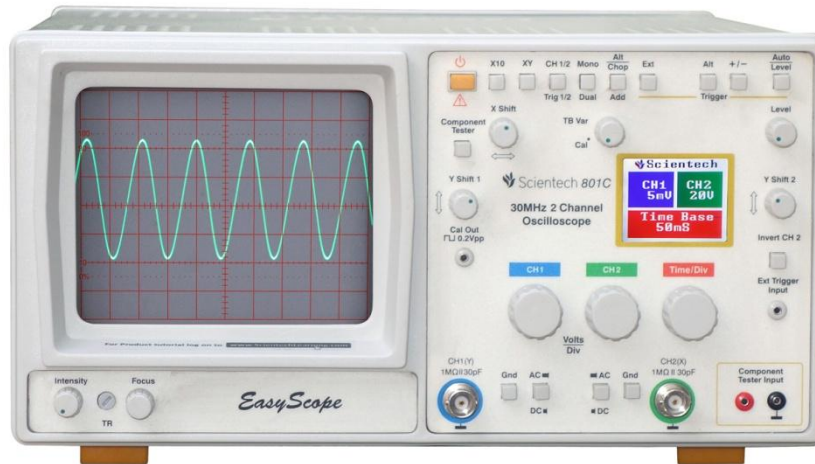


Scientech 801C 30MHz 2 Channel Oscilloscope



Operating Modes:

Channel 1, Channel 2, Channel 1 & 2 alternate or chopped (approximately 350KHz), X - Y (Ratio 1:1 Input via CH2), Add/ Sub $CH1 \pm CH2$, Invert CH2.

Vertical deflection (Y):

(Identical channels)

Bandwidth: DC - 30MHz (-3dB)

Rise Time: 12ns (approximately).

Deflection coefficients:

Micro-controller based 12 calibrated steps
5 mV/Div–20 V/Div (1-2-5 sequence).
Electronic Control Display on 32 character
backlit Alphanumeric LCD.

Accuracy: $\pm 3\%$

Input Impedance: 1M || 30pF

Sensitivity: Internal 5mm, External 0.8V
(Approximately).

Trigger Bandwidth: 40MHz.
Horizontal Deflection (X):

Bandwidth: DC - 2.5MHz (-3 dB).

X-Y mode: Phase Shift $< 3^\circ$ at 60KHz.
Deflection coefficients: Micro-controller based 12 calibrated steps 5 mV/Div-20 V/Div (1-2-5 sequence).
Electronic Control Display on 32 character backlit Alphanumeric LCD.

Input Impedance: 1M || 30pF
(approximately)

Input: Gold plated BNC
Built-in Single Touch Component Tester

Test Voltage: Max 8.6Vrms Open

<p>(approximately)</p> <p>Input: Gold plated BNC</p> <p>Input coupling: DC-AC-GND</p> <p>Maximum Input voltage: 400V (DC + Peak AC).</p> <p>Time Base:</p> <p>Time coefficients: Micro-controller based</p> <p>18 calibrated steps, 0.5μs/Div - 0.2 s/Div</p> <p>(1-2-5 sequence) with magnifier x10 to 50 ns/Div, with variable control to 20ns/Div.</p> <p>Electronic control display on 32 character backlit Alphanumeric LCD.</p> <p>Accuracy: $\pm 3\%$ (in cal position)</p> <p>Trigger System:</p> <p>Modes: Auto / Level</p> <p>Source: CH1, CH2, Alt CH1/CH2, External.</p> <p>Slope: Positive or Negative</p> <p>Coupling: AC</p>	<p>Test Current: Max 8mA rms Shorted</p> <p>Test Frequency: 50 Hz, Test circuit grounded to chassis</p> <p>Continuity Tester: Beeper sounds <75 approx.</p> <p>General Information:</p> <p>Cathode Ray Tube: 140mm Rectangular tube with internal graticule. P31 Phosphor</p> <p>Accelerating potential: 2KV (approximately)</p> <p>Display: 8 x 10cm</p> <p>Trace Rotation: Adjustable on front panel</p> <p>Calibrator: Square Wave Generator 1KHz (approximately), 0.2V_{pp} $\pm 1\%$ for probe compensation.</p> <p>Stabilized Power Supply: All operating voltages including the EHT</p> <p>Mains Voltage: 230V $\pm 15\%$, 50Hz. 60Hz on request</p> <p>Power Consumption: 45VA (approximately)</p> <p>Weight (approx): 7.5Kg. (approximately)</p> <p>Dimensions (mm): W325 x D370 x H155</p> <p>Operating Temperature: 0-40C°; 90% RH</p>
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