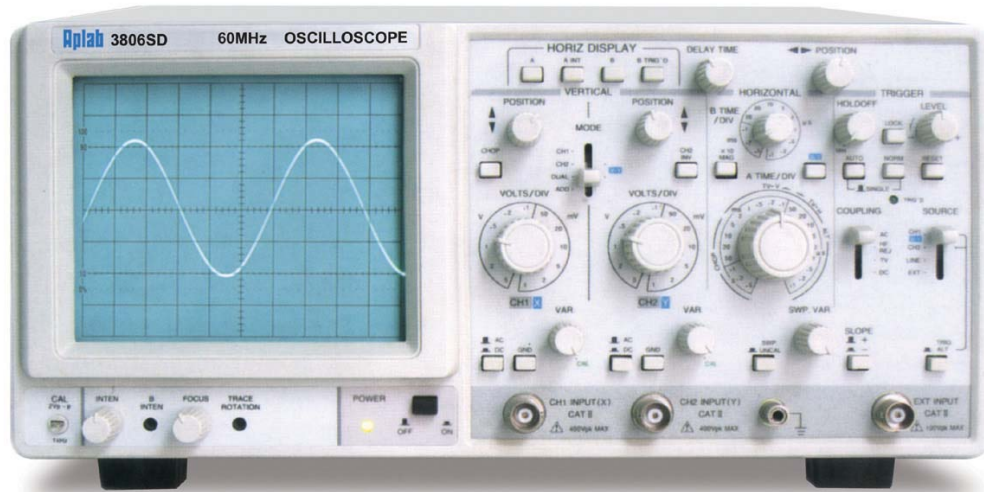


## 60MHz Dual Trace Oscilloscope with Delayed Sweep



### Features

- ★ Elegant
- ★ DC to 60MHz Bandwidth
- ★ 1mV/div to 12.5V/div Deflection Sensitivity on Both Channels
- ★ CH1 & CH2 Independent Channels
- ★ CH1 Signal Output
- ★ Algebraic Addition and Subtraction
- ★ X-Y Operation
- ★ 10ns/div to 0.5s/div Time Base, x10MAG.
- ★ 0.1 $\mu$ s/div to 5.0msec/div B Time Base in 12 Calibrated Steps
- ★ Z Modulation
- ★ 8 x 10 cm Display Internal Graticule
- ★ TV Triggering Frame (V) & Line (H)
- ★ Line Trigger
- ★ Variable Hold-off
- ★ ALT Triggering
- ★ Delay Line

### Specifications

#### VERTICAL DEFLECTION (Y)

<b>Deflection Coefficient (CH1 &amp; CH2)</b>	: 1mV/div to 5V/div. : In 12 calibrated steps in 1-2-5 sequence.
<b>Accuracy Variable</b>	: X1 : $\pm 3\%$ , 1mV-2mV : $\pm 5\%$ . : 1/2.5 times uncalibrated continuously variable control extends. Deflection Coefficient to more than 12.5 V/div.
<b>Bandwidth</b>	: 5mV to 5V/Div : DC to 60MHz (-3dB) dc coupled. : 10Hz to 60MHz (-3dB), (ac coupled). : 1mV-2mV/div : DC to 15MHz (dc coupled) 10Hz to 15MHz (ac coupled).
<b>Rise Time</b>	: 5.8ns or less, 23ns at 1mV-2mV/div.

<b>Display Modes</b>	: CH1, CH2, Dual (CH1, CH2, ALT/CHOP). Algebraic ADD & SUBTRACT CH2 INV & X-Y (CH1 as X, CH2 as Y).
<b>Input Impedance</b>	: 1M ohms // 25pF approx.
<b>Maximum Input Voltage</b>	: 400 Volts (dc + peak ac).
<b>Internal Trigger</b>	: CH1, CH2 or Alternate, Line.
<b>TIME BASE</b>	: A, A INTEN, B, B Triggered
<b>Sweep Speed</b>	: 21 calibrated steps. : 0.1 $\mu$ sec/div to 0.5sec/div in 1, 2, 5 sequence. : B : 12 calibrated steps. : 0.1 $\mu$ sec/div to 5msec/div in 1, 2, 5 sequence.
<b>Sweep Magnifier</b>	: X10 Magnification increases the fastest sweep upto 10ns/div.

**Accuracy** :  $\pm 3\%$  X10 MAG :  $\pm 5\%$ .  
**Variable** : Uncalibrated continuously variable control between steps, extends slowest sweep speed to 2.5s/div (approx.).

#### TRIGGER SYSTEM

**Triggering Mode** : AUTO, NORM, TV-V, TV-H,  
**Source** : CH1, CH2, LINE, EXT.  
**Slope** : Positive or Negative.

#### Trigger Sensitivity

**Internal** : **Normal**  
1div : 3Hz - 10MHz.  
1.5div : 10MHz - 60MHz.  
**Auto**  
0.5div : 30Hz - 10MHz.  
1.5 div : 10MHz - 60MHz.

**External** : **Normal**  
0.2Vp-p : 3Hz-10MHz.  
0.2Vp-p : 10Hz - 60MHz.  
**Auto**  
0.2Vp-p : 30Hz - 10MHz.  
0.2Vp-p : 10MHz - 60MHz.

#### HORIZONTAL DEFLECTION

**Deflection Coefficient** : Same as CH1.  
**Bandwidth** : DC - 2MHz (-3dB).

**Input Impedance** : 1Mohm // 25pF approx.  
**Phase Difference** :  $\leq 3^\circ$  (DC - 100KHz).

#### GENERAL INFORMATION

**Cathode Ray Tube** : 140mm Rectangular Screen, Internal Graticule, 8 x 10cm, P31 Phosphor, Accelerating Potential : 15kV.

**Z - Modulation** :  $\pm 5$ Vp-p signal upto 5MHz modulates at normal intensity impedance : 5K, Max. 50V dc+ac peak.

**Calibrator** : Provides 2.0V  $\pm 2\%$  1KHz  $\pm 2\%$  square wave output for probe compensation.

**CH1 Signal Out** : Output Voltage 20mV/div. 50 ohms approx. Bandwidth : 50Hz-5MHz.

**Power Requirement** : 220V AC  $\pm 10\%$ , 50Hz  $\pm 5\%$ , 40VA (max.).

**Dimensions** : 150 (H) x 310 (W) x 440 (D) mm.

**Weight** : 8 Kg. Approx.

**Standard Accessories** : Instruction Manual, 2 high impedance switch probe with x1 or x10 attenuation, Mains cord.

WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENT AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGED WITHOUT NOTICE.

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