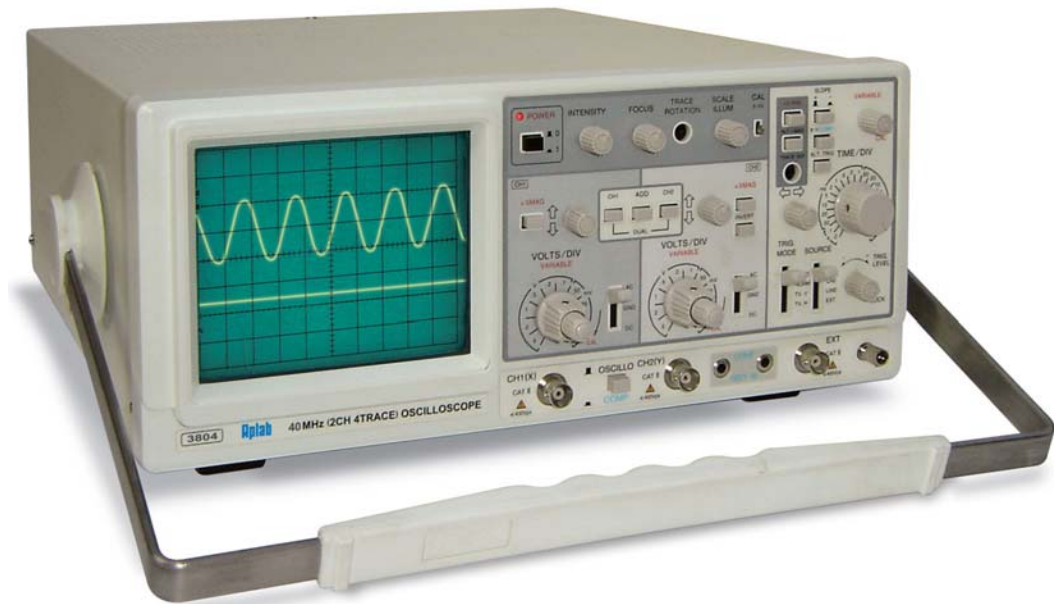


40MHz, 2 CHANNEL, 4 TRACE OSCILLOSCOPE



Features

- ★ Elegant
- ★ DC to 40MHz Bandwidth
- ★ 1mV/div Sensitivity on Both Channels
- ★ CH1 & CH2 Independent Channels
- ★ Algebraic Addition and Subtraction
- ★ X-Y Operation
- ★ 20ns/div to 0.2s/div Time Base
- ★ ALT MAG. Trace - Max. 4 Traces
- ★ Scale Illumination
- ★ Z Modulation
- ★ 8 x 10 cm Display Internal Graticule
- ★ Auto Focus
- ★ TV Triggering Frame (V) & Line (H)
- ★ Line Trigger
- ★ ALT Triggering
- ★ C.T. Facility

Specifications

VERTICAL DEFLECTION (Y)

Deflection Coefficient (CH1 & CH2)	: 1mV/div to 5V/div. 5mV/div to 5V/div in 10 calibrated steps in 1-2-5 sequence. x5 Magnification increases the sensitivity to 1mV/div to 1V/div.
Accuracy	: x1 : $\pm 3\%$, x5 : $\pm 5\%$.
Variable	: 1 / 2.5 times uncalibrated continuously variable control extends the Deflection Coefficient to more than 12.5V/div.
Bandwidth	: x1 : DC to 40MHz (-3dB), dc coupled. : 10Hz to 40MHz (-3dB), ac coupled. x5 : DC to 7MHz (dc coupled) 10Hz to 7MHz (ac coupled).

Rise Time	: 8.8ns or less.
Display Modes	: CH1, CH2, DUAL (CH1, CH2 ALT/CHOP), Algebraic ADD and SUBTRACT, CH2 INVT & X-Y (CH1 as X, CH2 as Y).
Input Impedance	: 1M ohms & 25pF approx.
Maximum Input Voltage	: 300 Volts (dc + peak ac).
Internal Trigger Signal	: CH1 or CH2.
TIME BASE	
Sweep Speed	: 20 Calibrated steps. 0.1 μ s/div to 0.2s/div in 1, 2 & 5 sequence.
Sweep Magnifier	: x5 Magnification.

Accuracy : $\pm 3\%$.
Variable : Uncalibrated continuously variable control between steps, extends slowest sweep speed to 0.5s/div (approx.).
ALT MAG Trace : x5 magnified sweep is displayed along with normal sweep.

TRIGGER SYSTEM

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

Trigger Sensitivity

Internal : Auto : 2 div - 20Hz to 40MHz.
Normal : 2 div - 10Hz to 40MHz.
External : Auto : 0.8V p-p - 20Hz to 40MHz.
Normal : 0.8V p-p - 10Hz to 40MHz.
Lock : 0.8V - 50Hz to 40MHz.

HORIZONTAL DEFLECTION

Deflection Coefficient : Same as CH1.
Bandwidth : DC - 500KHz (-3dB).
Input Impedance : 1M ohms & 25pF approx.
Phase Difference : $\leq 3^\circ$ (DC - 50KHz).

COMPONENT TESTER

Component Tester allows V.I. characteristics of a Device Under Test (D.U.T.).

Test Voltage : 9V rms (No Load).
Test Current : 2mA when shorted.

GENERAL INFORMATION

Cathode Ray Tube : 140mm Rectangular screen, Internal Graticule, 8 x 10 cm, P31 phosphor.
Accelerating potential : 12kV.

Z-Modulation : $\pm 5V$ p-p signal upto 2MHz modulates at normal intensity.

Calibrator : Provides 0.5V $\pm 2\%$, 1KHz $\pm 2\%$ square-wave output for probe compensation.

Power Requirement : 220V AC $\pm 10\%$, 50Hz $\pm 5\%$, 35VA (max.).

Dimensions : 140 (H) x 335 (W) x 375 (D) mm approx.

Weight : 7.2 Kgs. 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.

Aplab Test & Measurement Instruments

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