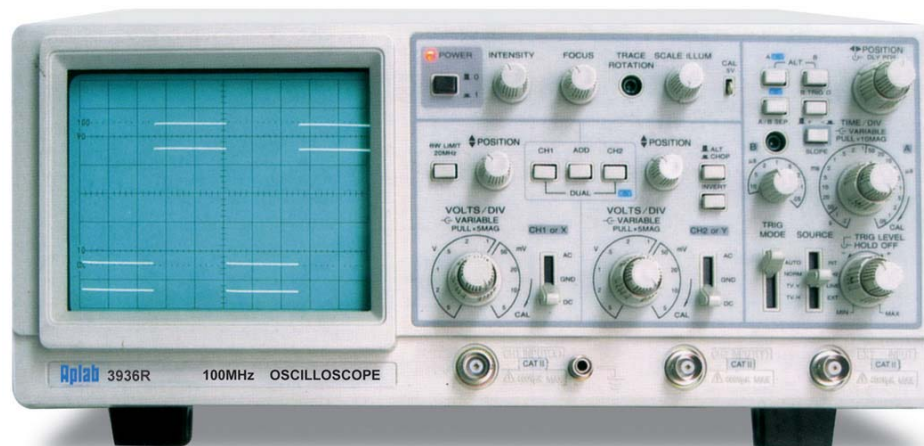


100MHz 2 Ch, 4 Trace Delayed Sweep Oscilloscope



Features

- ★ Elegant
- ★ Surface Mounting Technology
- ★ DC to 100MHz Bandwidth
- ★ 1mV/div Sensitivity on Both Channels
- ★ CH1 & CH2 Independent Channels
- ★ Algebraic Addition and Subtraction
- ★ X-Y Operation
- ★ 5ns/div to 0.2s/div Time Base
- ★ A ALT B SWEEPS - Max. 4 Traces
- ★ A and B Delayed Sweep
- ★ HOLD-OFF Time Adjustable
- ★ Scale Illumination
- ★ Z Modulation
- ★ 8 x 10 cm Display Internal Graticule
- ★ Auto Focus
- ★ TV Triggering Frame (V) & Line (H)
- ★ Line Trigger
- ★ ALT Trigger

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 Variable	: x1 : $\pm 3\%$, x5 : $\pm 5\%$.
Bandwidth	: x1 : DC to 100MHz (-3dB), dc coupled. : 10Hz to 100MHz (-3dB), ac coupled. : x5 : DC to 20MHz (dc coupled) : 10Hz to 20MHz (ac coupled).

Rise Time	: 3.5ns or less, 17.5ns (x5 MAG).
Bandwidth Limit	: DC - 20MHz, -3dB.
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 // 15pF approx. $\pm 3pF$.
Input Coupling	: AC-GND-DC.
Maximum Input Voltage	: 400 Volts (dc + peak ac).
Internal Trigger Signal	: INT, CH2, EXT, LINE
TIME BASE	
Sweep Speed	: A : 21 calibrated steps, 50ns/div to 0.2s/div in 1, 2 & 5 sequence. : B : 8 calibrated steps, 50ns/div to 10 μ s/div in 1, 2 & 5 sequence.

Delay Sweep	: Continuous or triggered.
Sweep Magnifier	: x10 Magnification increases the fastest sweep upto 5ns/div.
Accuracy	: x1 : $\pm 3\%$, x10 : $\pm 5\%$.
Operating Mode	: A, B, A ALT B, B delayed.
Hold-off Time	: Continuous or triggered.

TRIGGER SYSTEM

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

Trigger Sensitivity

Internal	: Auto	: 1.5 div - 20Hz to 100MHz.
		Normal : 0.5 div - 10Hz to 10MHz.
		1.5 div - 10MHz to 100MHz.
External	: Auto	: 0.2V p-p - 20Hz to 100MHz.
		Normal : 0.2V p-p - 10Hz to 100MHz.
TV Sync.	: Internal : 2 div.	External: 1Vp-p.
Typical	: 150MHz.	

HORIZONTAL DEFLECTION (X-Y)

Deflection	: Same as CH1
Coefficient	: (CH1 X-axis, CH2 Y-axis).
Bandwidth	: DC - 3MHz (-3dB).
Input Impedance	: 1M ohms // 15pF approx. $\pm 3\text{pF}$.
Phase Difference	: $\leq 3^\circ$ (DC - 100KHz).

COMPONENT TESTER (Optional)

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.

CONTINUITY TESTER (Optional)

Beeper sounds for continuity for resistance <75 ohms approx.

GENERAL INFORMATION

Cathode Ray Tube	: 140mm Rectangular screen, Internal Graticule, 8 x 10 cm, P31 phosphor. Accelerating potential : 12kV.
Z-Modulation	: 30V 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 $\pm 5\%$, 55W (max.).
Dimensions	: 135 (H) x 322 (W) x 368 (D) mm approx.
Weight	: 7.5 Kgs. approx.
Standard Accessories	: Instruction Manual, 2 High impedance switch probe with x1 or x10 attenuation, Mains cord.
Environmental Specifications	: Operating conditions Normal : 10°C to 40°C, RH 35% to 85%. Operational : 10°C to 40°C, RH 35% to 85%.

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

APLAB LIMITED

APLAB HOUSE, A-5, WAGLE ESTATE, THANE 400 604. INDIA. TEL : 25821861 FAX : 91-022-2582 3137
EMAIL : tmsales@aplab.com WEBSITE : www.aplab.com

- **BANGALORE** Tel. : 080-23576001 to 07 Fax : 23576008 E-mail : aplabblr@aplab.com
- **CHENNAI** Tel. : 044-26680472, 26680477 Fax : 26680473 Email : aplabchn@aplab.com
- **KOLKATA** Tel. : 033-22455435, 22848834 Fax : 22454294 Email : aplabcal@aplab.com
- **MUMBAI** Tel. : 022-29201787, 29204642, 29203468 Fax : 29209066 Email : aplabwr@aplab.com
- **NEW DELHI** Tel. : 011-23515183/86, 23627467 Fax : 23634709 Email : aplabnd@aplab.com
- **SECUNDERABAD** Tel. : 040-27811012, 27843351, 27720339 Fax : 27897788 Email : aplabsec@aplab.com