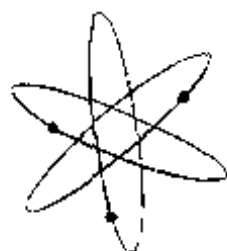


PRICE \$2 00

# HEATHKIT® ASSEMBLY MANUAL

HEATHKIT® by DAYSTROM



DC OSCILLOSCOPE  
MODEL 10-10

## SPECIFICATIONS

VERTICAL AND HORIZONTAL CHANNELS(Identical)

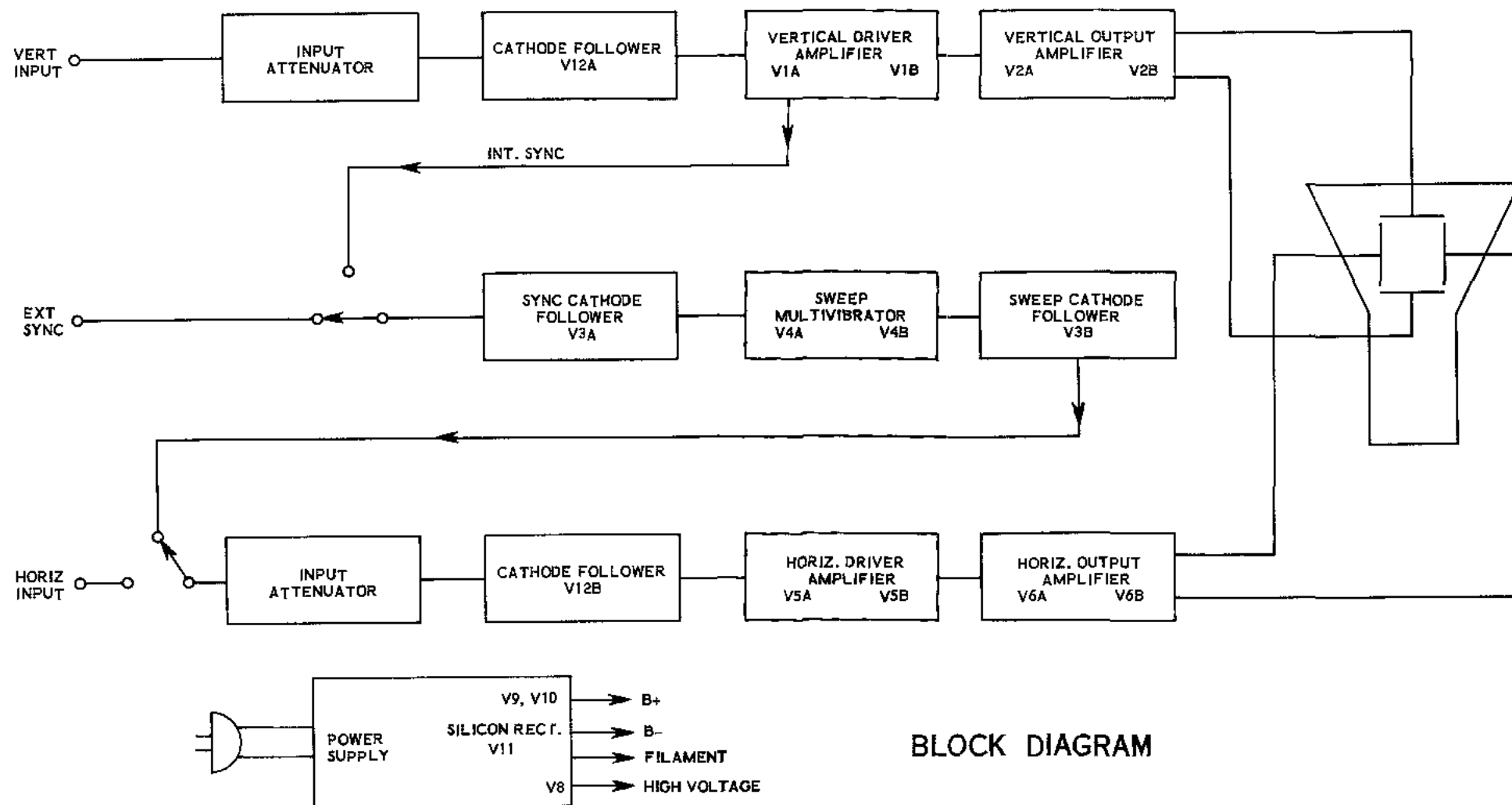
Bandwidth: . . . . .	DC to 200 kc (2 db point).
Sensitivity: . . . . .	.1 V (peak to peak) per 1/4" (uncalibrated).
Attenuator: . . . . .	3-position, compensated type.
Gain Control: . . . . .	Continuously variable.
Input Impedance: . . . . .	3.6 megohms shunted by 35 $\mu$ f.
Coupling: . . . . .	Either AC or DC, selected with the input attenuator switch.
Centering: . . . . .	Any portion of a 2" x 2" trace may be positioned on any portion of the CR tube screen.
Polarity . . . . .	A positive signal applied to the vertical channel will deflect the beam up, a positive signal applied to the horizontal channel will deflect the beam to the left.
Relative Phase Shift Between Channels: . . .	Less than 5 degrees.

SWEEP GENERATOR

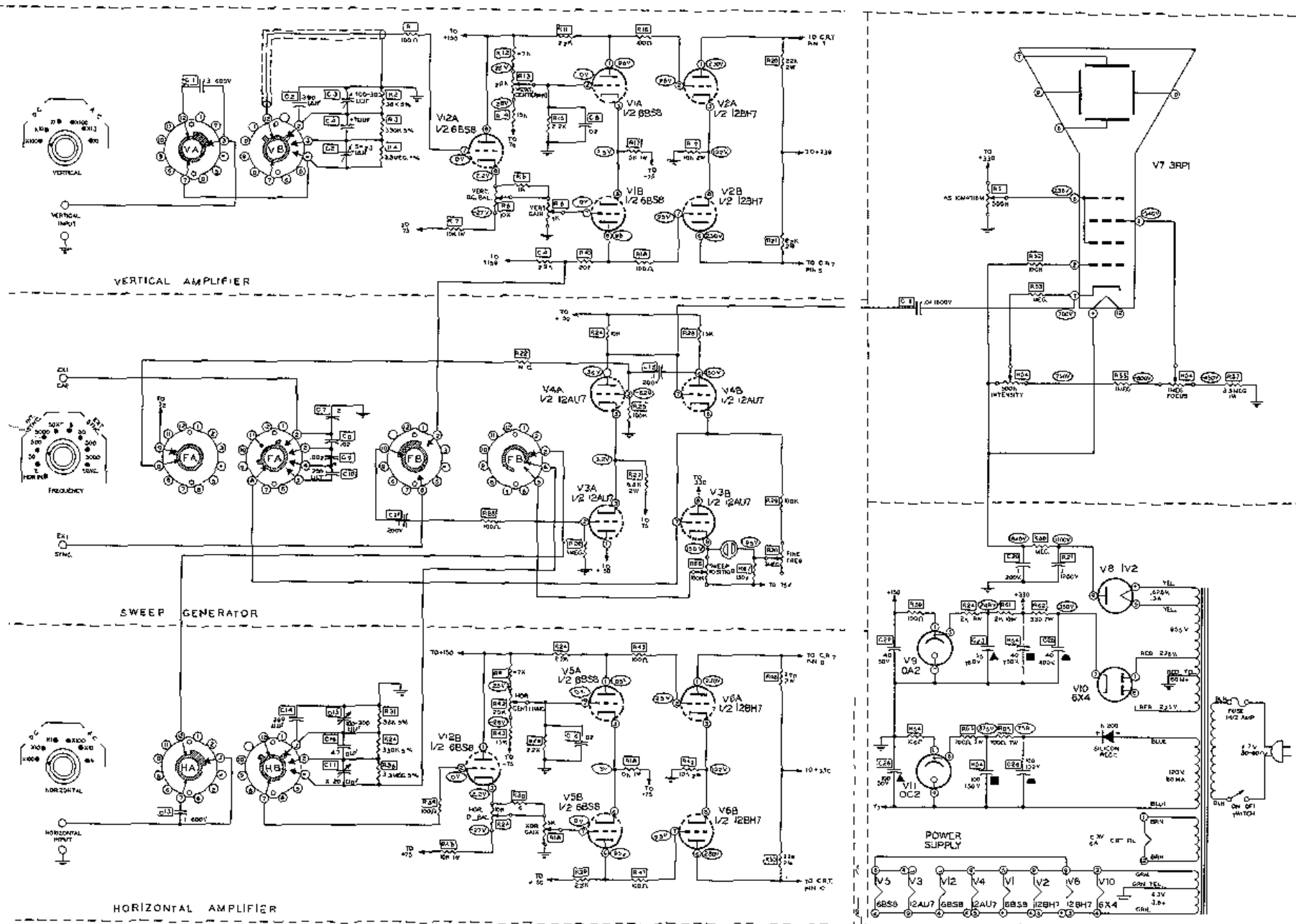
Recurrent Type: . . . . .	Linear saw-tooth produced by multivibrator type generator.
Sync Provisions: . . . . .	Either internal or external sync may be switch selected. The sync level is automatically maintained over a range of 1/4" to 2" vertical trace height.
Frequency Coverage: . . . . .	From 5 cps to 50 kc in four overlapping ranges. Lower sweep rates may be obtained by adding capacity to the "External Capacity" binding post on the front panel.
Blanking: . . . . .	The retrace (or flyback) cycle is blanked in conjunction with the internal sweep generator.

GENERAL

CR Tube: . . . . .	Type 3RP1, medium persistence, green trace.
Power Supplies: . . . . .	Transformer operated, fused. The B+ supply uses a 6X4 tube as a full-wave rectifier. The high voltage supply uses a 1V2 tube and the bias supply uses a silicon rectifier in half-wave circuits. Critical voltages are regulated with VR tubes.



BLOCK DIAGRAM



INSTRUMENT OSCILLOSCOPE  
MODEL 10-10