



**GENERAL PURPOSE
OSCILLOSCOPE
MODEL 10-21**

1. HOR./FREQ. SELECTOR SWITCH VIEWED FROM REAR - HOR. INPUT POSITION.
2. AMPLITUDE CONTROLS AT ZERO.
3. ALL RESISTORS IN OHMS - K = 1000 MEG = 1,000,000.
4. ALL VOLTAGES MEASURED WITH 11 MEGOHM INPUT VTVM - SPOT ON CRT CENTERED.

SPECIFICATIONS

VERTICAL AND HORIZONTAL AMPLIFIERS -

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| Frequency Response. | ±2 db 2 cps to 200 kc. |
| Sensitivity. | .25 volt rms for 1" of peak-to-peak deflection. |
| Input Impedance. | 10 megohms shunted by 20 $\mu\mu$ f. (Rear panel terminals are provided for connecting directly to the vertical plates of the CRT.) |

SWEEP GENERATOR-

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| Recurrent Type. | Linear sawtooth produced by multivibrator, with automatic synchronization. |
| Frequency. | 20 cps to 100 kc in five overlapping ranges. |
| Blanking. | The retrace (flyback) is blanked by a signal from the sweep generator. |

GENERAL-

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| Tube Complement. | 1 - 3RP1: CRT, medium persistence, green trace. 4 - 12AU7: Horizontal and vertical cathode follower - amplifier and push-pull deflection amplifier. 1 - 12AX7: Sweep multivibrator. 1 - 6X4: Low voltage rectifier. 1 - 1V2: High voltage rectifier. |
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| Front Panel Controls. | HOR/FREQ SELECTOR (Horizontal input and sweep generator frequency selector) FREQUENCY VERNIER VERTICAL CENTERING VERTICAL AMPLITUDE HORIZONTAL CENTERING HORIZONTAL AMPLITUDE |
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| Rear Controls. | Vertical Input Switch Focus Astigmatism |
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| Inputs. | VERT INPUT HOR INPUT Input to vertical plates of CRT (on rear of Oscilloscope). |
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| Power Supply. | The power supply is fused and transformer operated. |
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| Power Requirements. | 105-125 volts AC, 50/60 cps, 40 watts. |
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