

DC "5" OSCILLOSCOPE

Wired & Calibrated

Features

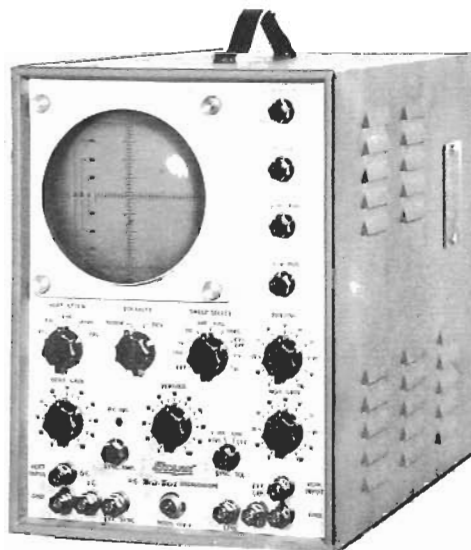
- 3 Stage Push-Pull Vertical Channel
- Vertical Polarity Reversal Switch
- Direct or Capacitive Input Coupling
- Rise Time...Less Than .08 Microseconds

The Stark Model OSK-4 is a new 5-inch scope that provides all the latest design features to permit unusual accuracy in servicing present day electronic equipment. . . . including colour TV receivers.

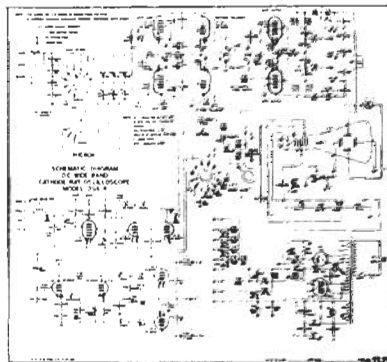
The oscilloscope has many features some of which are: . . . highly stable trace. . . special alloy CR tube shield minimizes distortion due to external magnetic fields. . . astigmatism control is provided to assure sharp trace. . . choice of direct or capacitive input coupling. . . instantaneous drift-free positioning. . . intensity modulation input. . . direct connection to cathode ray tube easily accessible through removable side panel. . . two switch-selected preset frequency positions provided for repeatedly used frequencies. . . power supply fused for your protection. . . provision on switch for use of external capacitor in sweep circuit.

Built for service and rugged use, this instrument is housed in a modern steel buff grey crackle finish with an etched satin finish aluminum panel. Five-way binding posts are used throughout.

The calibrated screen with astigmatic focus provides a new standard in undistorted trace detail. The stability of this instrument plus the many definitely new circuit innovations provides a technician's scope that will rival the features of many high-priced engineer's models. The unusually wide frequency response of the Model OSK-4 is not achieved at the expense of sensitivity.



Starkit Model OSK-4



Specifications

VERTICAL AMPLIFIER

Three Stage, Push Pull
Sensitivity -
DC 70 millivolts/inch
AC 25 millivolts rms/inch
Frequency Response - (sine wave)
DC-Flat within 3db from DC to 4.5 mc
Flat within 5db to 5 mc
AC-Flat within 3db from 10 cps to 4.5 mc
Flat within 5db at 5 mc
Rise Time -
Less than .08 microseconds
Input Impedance -
1.5 megohms shunted by 33 mmfd max
Vertical Input Step Attenuator -
Frequency compensated
Vertical Polarity Reversal Switch
For inverting screen pattern
Input Coupling
Direct or capacitive

PHASING CONTROL

60 cps operating on line sweep

SWEEP GENERATOR

Range -
a) from 10 cps to 100 kc variable in four steps
b) two preset sweep frequencies are included in the circuit
c) provisions on switch for use of external capacitor in sweep circuit
Synchronization -
Internal positive or negative locking signal, self limiting circuit. Provision made for external variable sync. input
Retrace Blanking -
Positive retrace blanking regardless of sweep frequency.

POWER SUPPLY

AC Supply - 117V/50-60 cycles
Fused for 3 amperes
High Voltage - 1300V CRT Supply
Low Voltage - 400 volts
Filament Voltage - 6.3 volts AC

CALIBRATION VOLTAGE

Built in and regulated, 60 cps semi-rectangular waveform.

HORIZONTAL AMPLIFIER

Sensitivity
25 volts (RMS) per inch
Frequency Response
Flat within 3db from 5 cps to 350 kc
Input Impedance
4.7 meg shunted by 30 mmfd.

TUBE COMPLEMENT

1-5UP1 (Cathode Ray Tube)
1-1V2 (High Voltage Rectifier)
1-6CA4 (Low Voltage Rectifier)
2-6AU8 (Vertical Amplifier and Cathode Followers)
2-12BY7 (Vertical Output)
2-12AU7 (Horizontal Amplifier)
1-12AU7, 1-6DT6
(Sweep Generator Sync. Amplifier, Blanking Amplifier)

DIMENSIONS & WEIGHT

9-1/2" wide, 13-1/8" high, 18" deep.



STARK

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