

OSCILLOGRAPH
A New Simplified
Announcing

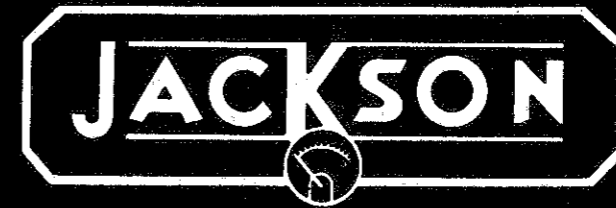
Sec. 562 P. L. & R.

THE JACKSON ELECTRICAL INSTRUMENT CO.
Kiser Street at Pennsylvania Avenue
DAYTON, OHIO

Printed in U.S.A.

*Sensational Development in
Cathode Ray Equipment*

RADIO SERVICEMEN'S SUPPLY CO.
628 PROSPECT AVE.
CLEVELAND, OHIO



*Announcing the 1937 Series
Model 521*

**CATHODE RAY
OSCILLOGRAPH**
INCORPORATING THE
NEW TYPE 913 TUBE

Designed for

Radio Servicing and Alignment • Amateur Radio Transmitter Adjustments

Educational Institutions • Testing Laboratories

Industrial Applications

THE JACKSON ELECTRICAL INSTRUMENT CO.
DAYTON, OHIO

The new **Jackson**

CATHODE RAY OSCILLOGRAPH

Only \$29.50
COMPLETE



MODEL 521—(AC Operated 110V-60C.)

Heavy gauge welded steel case • Cast aluminum panel • Etched metal panel control plate • Carefully engineered, and built to the same high standard of quality featured in all Jackson Equipment. Size: 8 $\frac{3}{4}$ " high, 7" wide, 10" deep. Net weight: approximately, 10 pounds.

Prices Quoted are Net to Dealers, Servicemen, and Amateurs

THE PERFECT INSTRUMENT for—

• **RADIO TESTING and SERVICING**

Visual Resonance Curves

R. F. - I. F. Alignment

Vibrator Testing in Auto Radio Sets

• **AMATEUR TRANSMITTER ANALYSIS**

Percent of Modulation

Non-Linear Operating Conditions

Phase Distortion

Neutralization Adjustments

Harmonic Analysis

Tank Tuning Load Adjustments

Excitation and Bias Adjustments

Special Amplifier and Modulator Overload

FULL SPECIFICATIONS

COMPLETELY EQUIPPED with all tubes including the Cathode Ray tube which is the new type 913 with High Brilliance screen.

SELF CONTAINED AMPLIFIER for the vertical deflecting plates permits excellent sensitivity for radio testing and servicing. Only $\frac{1}{2}$ volt required for a deflection of 50% on the screen.

SENSITIVITY—The approximate input sensitivity to both the Horizontal and Vertical plates is 40 volts per inch (rms). However with the Vertical Amplifier turned on, the Vertical Sensitivity may be adjusted to as high as 1.0 volts (rms) per inch.

AMPLIFIER GAIN is varied by means of a control marked directly in units of 0-to-40. The amplifier is designed for a nearly flat response characteristic up to 100,000 cycles.

HORIZONTAL SWEEP—A horizontal time axis of 60 cycles is provided which may be used with the vertical amplifier in operation or may be used with vertical plates connected direct to measuring source.

FOCUS and BRILLIANCE controls are located just below the tube housing. These controls adjust the size and intensity of the spot.

CALIBRATED SCREEN—A special Duplex Chart is furnished which is mounted directly in front of the Cathode Ray tube. This screen is printed on transparent material and has one calibration directly in Frequency (Kilocycles off resonance). Another simple cross-section calibration is also printed on the screen.



So Efficient. So Easy to Own — That You Cannot Afford to Be Without It — ORDER YOURS TODAY!

THE JACKSON ELECTRICAL INSTRUMENT CO.—DAYTON, OHIO