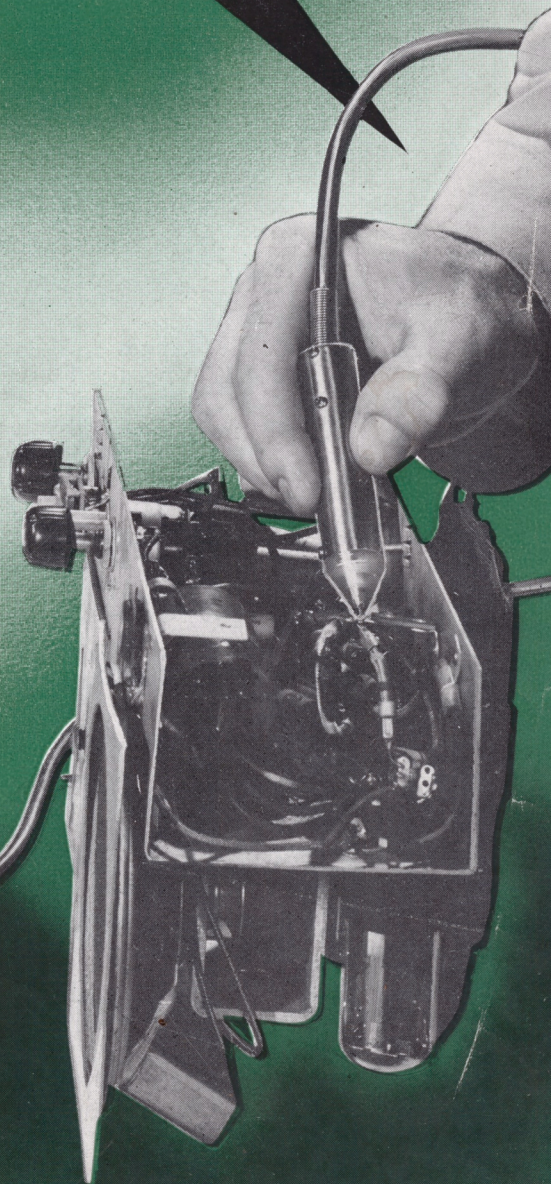


# SYLVANIA POLYMER *Type 134*





**S**YLVANIA introduces—a unique multipurpose instrument for laboratory and radio service use—

## THE SYLVANIA POLYMER—TYPE 134

Created by the same talent which has designed and produced radar test equipment and other highly specialized units, this instrument embodies many unusual features.

Incorporating all the advantages of a sensitive vacuum tube voltmeter, the Sylvania Polymer also provides for wide range measurement of resistance and current.

It includes the best features needed for efficient and accurate testing of circuits and components. Its versatility meets the many demands of today's electronic technicians. The Sylvania Polymer measures resistance; AC voltages from 20 cps to 300 mc.; DC voltages and current; is ideal for stage by stage signal tracing and general trouble shooting.

With the advent of Frequency Modulation and Television, the Sylvania Polymer becomes essential for proper, critical alignments required in these complicated circuits. It helps the laboratory technician and the radio serviceman find trouble rapidly and accurately.

Unusual accuracy is one of the Polymer's finest features. It has an accuracy of  $\pm 3\%$  of full scale on DC ranges except 10 amp DC current range which is  $\pm 5\%$ . On lower AC and RF ranges accuracy is  $\pm 5\%$ .

The carefully designed, easy to handle probe uses the famed proximity fuse type tube. This feature enables you to operate the instrument at higher frequencies with great accuracy.

## CHARACTERISTICS AND SPECIAL FEATURES

Tests Audio, AC and RF voltages from 20 cps to 300 mc. The use of the proximity fuse type tube built into the handy probe permits accurate measurement of RF voltages at up to 300 mc. Full scale ranges are 3, 10, 30, 100, 300 volts.

Measures DC from .1 to 1,000 volts in full scale ranges of 3, 10, 30, 100, 300, 1000.

Measures DC current from .1 ma. to 10 amps in full scale ranges of 3, 10, 30, 100, 300, 1000 ma. and 10 amps.

Measures resistance from  $\frac{1}{2}$  ohm to 1,000 megohms in full scale ranges of 1,000, 10,000, 100,000 ohms and 1, 10, 1,000 megohms.

### Accuracy—

DC ranges  $\pm 3\%$  of full scale

AC ranges  $\pm 5\%$  of full scale up to 30 volts;  $\pm 7\%$  above 30 volts

RF ranges  $\pm 5\%$  of full scale up to 10 volts;  $\pm 7\%$  from 10-100 volts;

$\pm 10\%$  on 300 volt range. From 100-300 mc. error may be 5% greater.

Ohms  $\pm 6\%$  to the left of  $\frac{1}{2}$  scale;  $\pm 13\%$  to the left of  $\frac{3}{4}$  scale

DC current  $\pm 3\%$  of full scale on all but 10 amp scale which provides  $\pm 5\%$  of full scale

### Input Impedances—

RF ranges—2.7 megohms shunted by approx. 3 mmf.

AC ranges—2.7 megohms shunted by approx. 40 mmf.

DC ranges—16 megohms

Stabilized against errors due to line voltage variation or gas current in tubes.

ALL ESSENTIAL ACCESSORIES INCLUDED WITH THE INSTRUMENT.

**CHECK THESE FEATURES...**



HAIRLINE  
ACCURACY  
EASY-TO-READ  
SCALES

RUGGED STEEL  
CABINET. PEARL  
GREY BAKED FINISH  
TWO TONE GREEN  
PANEL

NEW VHF  
FREQUENCY  
PROBE WITH  
FLEXIBLE  
SHIELDED LEAD

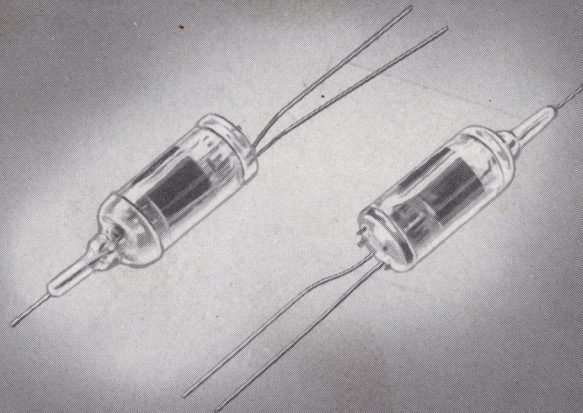
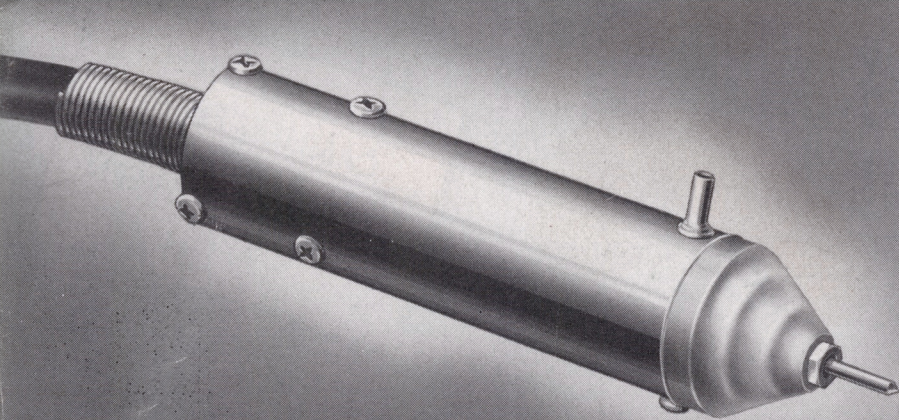
NEAT—SIMPLE  
CONTROL  
PANEL

CONVENIENT  
REMOVABLE  
PROBE LEAD

THIN,  
PENCIL TYPE  
TEST PRODS







## NEW DEPARTURE IN PROBE DESIGN—A SYLVANIA FIRST

Sylvania is the first instrument manufacturer to produce a midget, thumb-size probe.

Specially designed polystyrene nose insures low loss probe characteristics. A cable spring sheath installed at the critical point of wear protects the cable against hard usage. A convenient turret lug is provided for grounding.

This small, rugged probe is the first to utilize the type 1247 proximity fuse type tube. Its low loss characteristics permit VHF measurements with negligible insertion loss.

Probe Size: Diameter  $\frac{3}{4}$ "; Length  $3\frac{3}{4}$ ".

### ADDITIONAL DATA

CABINET SIZE:  $10\frac{1}{8}$ " high x  $7\frac{5}{8}$ " wide x 7" deep. Weight  $12\frac{1}{2}$  lbs.

Pilot Light • Line Fuse • Power Supply 105-125 volts AC • 50-60 cycles, 30 watts.

8 ft. Line Cord • Sturdy Leather Handle.

THE MARK OF



QUALITY

# SYLVANIA ELECTRIC

DISTRIBUTOR SALES

EMPORIUM, PENNA.

PRINTED IN U. S. A.