



SIZE 13" HIGH 10 3/4" WIDE 7 1/4" DEEP NINE INCH METER

A CONTRIBUTION TO THE ART OF RADIO SERVICE IN THE CONVERSION OF  
A HICKOK X-RAY METER THAT HAS BEEN IN PRODUCTION OVER 30 YEARS.

# JUMBO

(NINE INCHES DIAMETER)

# SIX IN ONE

**Extremely Rugged and Accurate**

**Long Scale Range . . . Over Seven Inches**

**Indicates Clearly . . . Far as the eye can see**

**Meter Sensitivity—350 Micro-Amps**

## TECHNICAL DESCRIPTION MODEL 4922 JUMBO VOLT OHM MILLIAMMETER

A new giant volt-ohm-milliammeter, setting new standards of test methods. The ranges have been extended to cover practically all applications of electrical measurements:

Servicing Radio Receivers  
Public Address Systems  
Household Appliances  
Industrial Machinery  
Aircraft Installations  
Automobile Radios and Ignition Systems

Sensitive Relay Control Circuits  
Radio Transmitters and  
Their associated Studio Equipment  
Motion Picture Sound Equipment  
Telephone and Telegraph Services

and many other applications too numerous to mention. Increase your profit by branching out into many fields of trouble-shooting and service in electrical apparatus with this rugged, portable instrument of highest accuracy.

The large open-face scale is easily read at any angle and at considerable distance. The torque has been made 55 milligrams per centimeter to obtain the high torque-weight ratio of 60.5. The large moving element and high torque-weight ratio assure a very rugged construction which will withstand many years of rough, portable service while maintaining the high degree of accuracy required.

Extreme accuracy is assured by the Hickok exclusive curve correcting process, which corrects for the mechanical variations present in all D'Arsonval type instruments. By this process, you are assured high accuracy of indication at all points on the scale. An extra large, solid, forged, chrome steel magnet is magnetized by Hickok's special Surge Type Magnetizer, then aged electrically to assure permanence of the magnet. The instrument pointer is made of heavy gauged, hard-drawn aluminum and is especially designed to withstand severe overload.

An unusually wide range of coverage is assured by the following ranges:

AC and DC volts, 0/10/50/250/500/2500.

DC microamperes, 0/500.

DC milliamperes, 0/5/50/500.

Resistance, 0/30 (8 ohms mid-scale), 0/10,000 (150 ohms mid-scale), 0/1 megohm (15,000 ohms mid-scale), and 0/10 megohms (150,000 ohms mid-scale).

Decibels —10, to + 15.

A blocking condenser is provided so that the AC voltmeter may be used as an output meter.

College and high school laboratories are using many of these instruments for rapid testing in their experiments where instruments are often used by inexperienced students. Sturdy construction and reliable calibration are of the utmost importance. Manufacturers are using them for routine checking in their production lines. Factory maintenance engineers find the Model 4922 indispensable in their maintenance work.

## GUARANTEED ACCURACY

All ranges, including the AC volts ranges, are guaranteed to have an accuracy within 3%, within an ambient temperature range of 50° to 90° F. This instrument incorporates a new type rectifier circuit, which will withstand twice the overload possible with any other type of rectifier circuit. If the rectifier fails within a period of one year from date of purchase, it will be replaced without charge.

**DEALERS NET PRICE, 4922 Volt Ohm Milliammeter . . . . . \$34.50**  
LIST PRICE . . . . . \$57.50

## EXTERNAL SHUNT FOR 5 AND 50 AMPERES

This two-range shunt is especially designed for use with the Model 4922 to give ranges of 5 and 50 amperes DC. It is particularly useful in the servicing of Automobile Radios, DC Farm Lighting Plants, and many similar applications. The terminals are extra heavy duty binding posts having knurled knobs. Two leads, 5 feet long, are supplied with the shunt for connection to the meter. The shunt may be connected directly in the circuit, where it is supported by the connections.

**DEALERS NET PRICE, Shunt only for reading 0/5; 0/50 amperes . . . . . \$3.60**  
List Price, \$6.00

THE HICKOK ELECTRICAL INSTRUMENT COMPANY

Cleveland, Ohio, U. S. A.

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