

Master VoltOhmyst, WV-95A

The WV-95A is truly the "master" electronic multimeter. It combines in one case an a-c voltmeter, d-c voltmeter, ohmmeter, d-c microammeter, d-c milliammeter, capacitance meter, and a d-c ammeter. The instrument is a-c line operated. The carefully balanced meter is virtually burn-out proof; it has a full-scale accuracy of $\pm 2\%$, and can be zero-centered for discriminator alignment work. The capacitance measuring circuit includes a polarizing voltage for measurement of electrolytic capacitors. The entire electrical system is insulated from the metal case which may be grounded separately. Accessories available on separate order include a 100-Mc crystal probe, WG-263, and a 250-Mc peak-to-peak diode probe, WG-275. Unit is complete with three test leads and two test cables with plugs and clips. Shipping weight, 17 lbs.

Specifications

D-c Voltmeter Ranges 0 to 5-10-50-100-500-1000 d-c volts
 Input Resistance 11 megohms on all ranges
 A-c Voltmeter Ranges 0 to 1.5-10-50-100-500-1000 RMS volts
 Frequency Response 30 cps to 20 kc
 Input Resistance and Capacitance 0.5 megohms shunted by 125 uuf
 D-c Ammeter Ranges 0-10, 0-100 na, 0 to 1-10-100 ma, 0-1, 0-10 amps
 Ohmmeter Ranges 0.1 ohm to 1000 megohms in six ranges
 Center-Scale Indications 10, 100, 1000, 10,000 ohms; 0.1, 10 megohms
 Capacitance Meter Ranges (4 uuf to 1000 uuf in six ranges)
 Center-Scale Indications 100,000 uuf; 0.01, 0.1, 1, 10 uuf
 (Note): The following data apply to the WV-95A when used with RCA Diode Probe WG-275 which is supplied on separate order.)



RF Voltmeter Ranges:

0 to 5-10-50-100 RMS volts from 30 cps to 17.5 Mc
 0 to 5-10-30 RMS volts from 17.5 to 75 Mc
 0.5, 0-10 RMS volts from 75 to 250 Mc

Input Resistance and Capacitance:

625,000 ohms shunted by 15.6 uuf at 1 Mc
 32,000 ohms shunted by 14.5 uuf at 10 Mc
 100 ohms shunted by 13 uuf at 250 Mc

Meter Indications RMS value of sine-wave voltage, 0.354 peak-to-peak value of recurrent complex-wave voltage

Dimensions 10" x 13 1/2" x 7 1/2"

Crystal Probe, WG-263

Converts VoltOhmyst Meters 163, 165, 165-A 195, 195-A, WV-65A, WV-75A, and WV-95A into VHF voltmeters for use up to 100 Mc; also used with Chanalysts Types 162, 162-A, 162-B, 162-C and 170-A. Can be used for relative readings to 175 Mc.



Diode Probe, WG-275

The RCA Diode Probe WG-275 is designed to operate in combination with RCA VoltOhmyst Electronic Meter WV-95A; it enables this instrument to read RMS or peak-to-peak voltages at frequencies from 30 cycles to 250 Mc. The probe fits coaxial "T" connectors, and permits direct measurement of voltages in coaxial lines.

High-Voltage Probe, WG-284 (288)

Extends the d-c voltage range of RCA VoltOhmyst and Chanalyst Vacuum-Tube Voltmeters to 30,000 volts. Measures d-c voltages in television sets, X-ray machines, and other high-voltage devices . . . useful in measuring the output voltages of pulse-operated and rf power supplies and other high-resistance voltage sources that require high-resistance measuring instruments. Both probes are identical except for the resistance values of the multiplier resistor. VoltOhmysts 195 and 195-A, and Chanalyst 170-A use probe WG-288. Others use probe WG-284.

