

NONCODED GAUGES

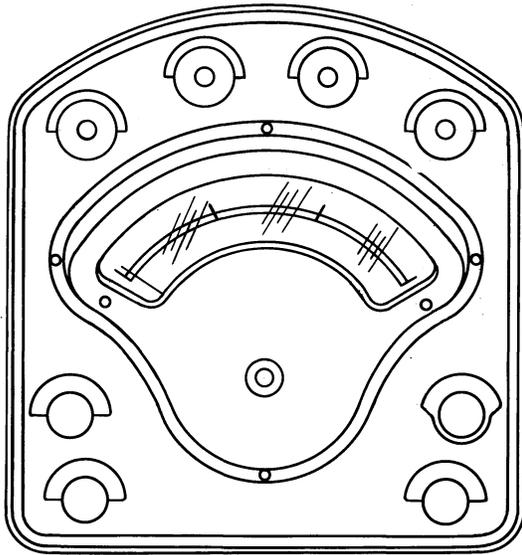
VOLT-AMMETERS

AND VOLTMETERS (AC-TYPES)

VOLT-AMMETER, DC, WESTON MODEL 280

Replaced by Weston Model 281 DC Volt-ammeter with no change in operating characteristics.

VOLT-AMMETER, DC, WESTON MODEL 281
 (In ordering, specify ranges of instrument)



Scale length - 2.97", with mirror

Sensitivity - 100 ohms per volt

Ranges		No. Scale Divisions
Volts	Amp.	
60/30/3	15/3/0.3	60
150/60/3	30/0.6/0.06	60

Accuracy - within 1% of full scale.

Shielded from external magnetic fields.

Size: 4.4" x 4.6" x 1.5"

Carrying Cases are available for, but not furnished with, these instruments.
 Order "Duplastic case for Weston Model 281"

Replaces Weston Model 280 DC Volt-ammeter.

For general use

VOLTMETER, AC, WESTON MODEL 155, 300/150-V,

Range Volts	Approximate Res. Ohms	No. Scale Divisions
300/150	5000/2500	150

Accuracy: 0.50% of full scale, 25-125 cycles

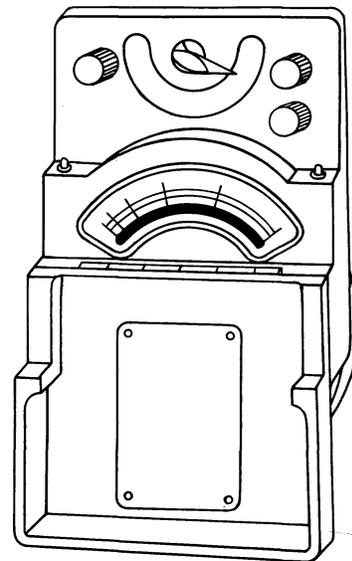
Scale length - 5.18", with mirror

Intended for intermittent service.

Power consumption: 150 volt range at 115 volts, 60 cycles, 6.5 watts.

Replaced by Weston Model 904 AC Voltmeter 300/150-V.

VOLTMETER, AC, WESTON MODEL 330, 250/25/5-V



Scale length - 2.67", with mirror, 50 scale divisions

Sensitivity - 42 ohms per volt

Accuracy - 1% full scale at 60 cycles
 2% full scale 25-100 cycles

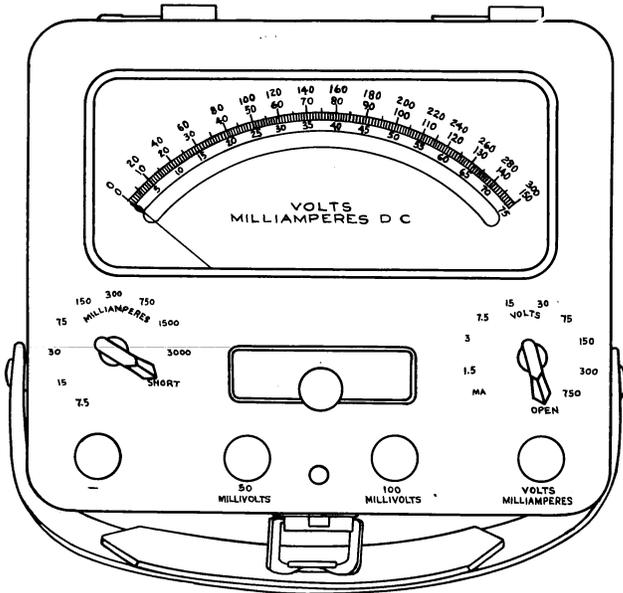
Fuses - Order "Fuses for Weston Model 330 AC Voltmeter, ranges 250/25/5-V"

Size: 3-15/16" x 4-7/8" x 1-13/16"

Carrying Case - Order "Leather Case for Weston Model 330".

For use in AC busy signal testing in toll power plants and on tungar rectifiers.

VOLT-MILLIAMMETER, DC, KS-8039



Special Weston Model 622 Volt-Milliammeter

Ranges

<u>Volts</u>	<u>Milliamperes</u>
0.050	7.5
0.100	15
1.5	30
3	75
7.5	150
15	300
30	750
75	1500
150	3000
300	
750	

Scale length - 6.1", with mirror.

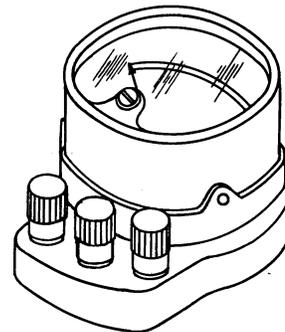
Accuracy: $\pm 0.25\%$ of full scale.

Furnished with one pair of 5' connecting leads with forked terminals at each end.

For external shunt see Section A709.068.

For use as a secondary standard in checking AC and DC electrical indicating instruments (Sections A401.562 and A438.923) and for general use. For detailed description see Section A702.017.

VOLTMETER, AC, WESTON MODEL 528, 300/150-V



<u>Range</u> <u>Volts</u>	<u>Approximate</u> <u>Res. Ohms</u>	<u>Scale</u> <u>Divisions</u>	<u>Scale</u> <u>Length</u>
300/150	31,600/15,800	30	2.03"

Accuracy: 2% of full scale, 25-125 cycles

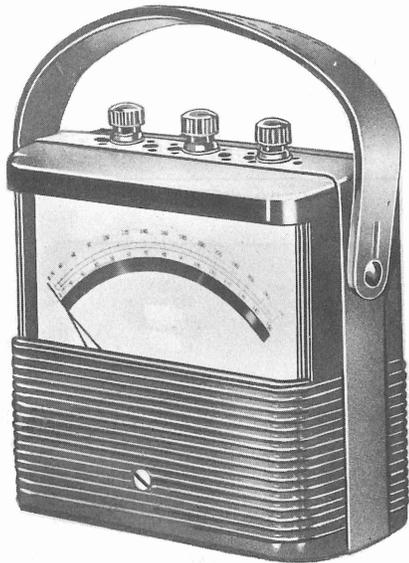
Size: 3-27/32" x 3-5/32" x 2-1/8"

Test Leads: Furnished with 48" long test leads

Carrying Case: Order "Leather Case for Weston Model 528"

For general use.

→ VOLTMETER, AC, WESTON MODEL 904, 300/150-V



<u>Range</u> <u>Volts</u>	<u>Approximate</u> <u>Res. Ohms</u>	<u>Scale</u> <u>Divisions</u>	<u>Scale</u> <u>Length</u>
300/150	13,600/6,800	150	5.5"

Accuracy: 0.50% of full scale, 25-125 cycles

Size: 7-1/2" x 7-1/4" x 3-5/8"

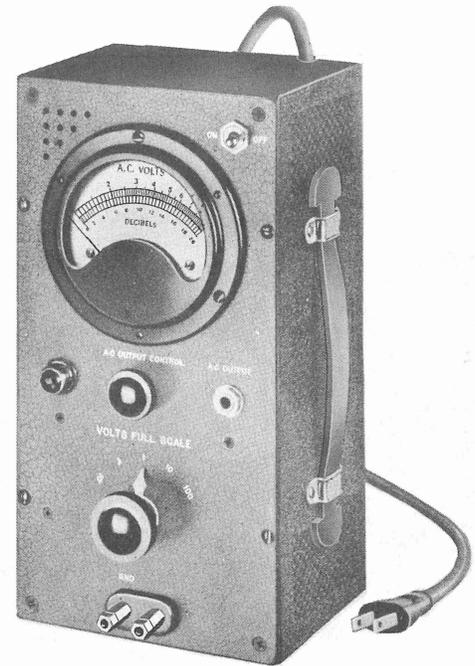
Carrying Case: Order "Leather Case for Weston Model 904".

Power consumption - 150 volt range at 115 volts, 60 cycles, 1.9 watts, 1.9 volt-amperes.

Replaces Weston Model 155 AC Voltmeter 300/150-V.

For general use.

VOLTMETER, ELECTRONIC, BALLANTINE LABORATORIES, INC., MODEL 300U/3.



Frequency Range: 10 to 150,000 cycles.

Voltage Range: .0001 volt to 100 volts rms in 5 decade ranges (.01, .1, 1, 10 and 100 volts full scale).

Scale: Logarithmic voltage scale reading from 1 to 10; auxiliary linear scale in decibels from 0 to 20.

Accuracy: 2% of full scale

Input Impedance: 500,000 ohms shunted by a capacity of 30 μ f.

Tube Complement: One each 6J7, 6AL5, 0A2, 6X5; and two 6SJ7.

Power Supply - 110/120 volts, 50-420 cycles, 30 watts.

Size: 4-1/2" x 5-3/4" x 11"

Weight: 9-1/2 lbs.

For use in testing TV order circuits and associated equipment, C1 alarm and control systems and sequence signaling and order circuits of TD-2 radio relay systems.

For detailed description see Manufacturers Manual for Model 300.

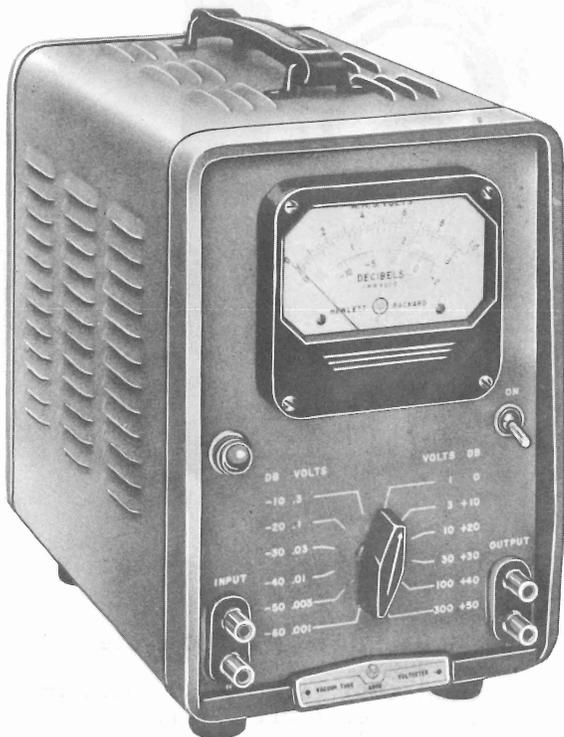
SECTION A709.082

VOLTMETER, VACUUM TUBE, HEWLETT-PACKARD CO. MODEL 400C.

For detailed description see Section A702.590.

Replaced by Voltmeter, Vacuum Tube, Hewlett-Packard Co. Model 400D.

VOLTMETER, VACUUM TUBE, HEWLETT-PACKARD CO. MODEL 400D.



Frequency Range: 10 to 4,000,000 cycles.

Voltage Range: 12 ranges from 0 to 0.001 to 0 to 300.

Scales: Linear voltage scales from 0 to 1 and 0 to 3; decibel scale from -12 to +2 based on a zero reference of 1 milliwatt in 600 ohms, 10 db between ranges.

Decibel Range: from -72 to +52 in 12 ranges for the 0 db point.

Accuracy: With line voltages of $\pm 10\%$ (103 to 127 volts), overall accuracy is $\pm 2\%$ of full scale, 20 cps to 1 MC; $\pm 3\%$ of full scale, 20 cps to 2 MC; $\pm 5\%$ of full scale, 10 cps to ± 4 MC.

Input Impedance: 10 megohms shunted by 14 for the 1 to 300 volt range; 10 megohms shunted by 24 μf for the 0.001 to 0.3 volt range.

Power Supply: 115 or 230 volts, 50 or 1000 cycles, 70 watts.

Size: 7" x 10-3/4" x 10-1/8"

Weight: 19 lbs.

For detailed description see Section A702.589.

Replaces Hewlett-Packard Co. Model 400C.

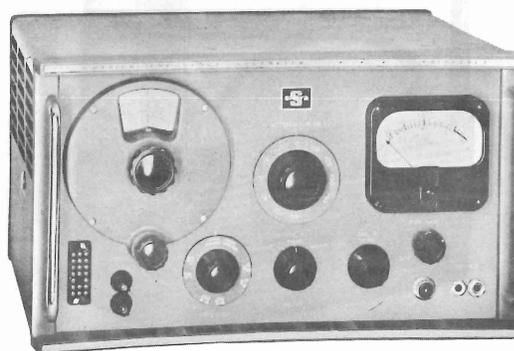
For use in connection with tests on the type N carrier telephone system.

→VOLTMETER, KS-15538, LISTS 1 and 2
Manufacture Discontinued

For detailed information refer to Section A702.591. or A702.591.2.

Replaced by Voltmeter, KS-15538, List 3

→VOLTMETER, KS-15538, LIST 3



Frequency Range: 30 to 600 KC

Decibel Range: -70 to +42 dbm

Scale: -25 to +2 db

Sensitivity of meter scale: 200 microamperes

Accuracy:

135 ohm balanced measurements:

30 to 40 kc
 ± 2 db for all steps

40 to 548 kc
 ± 2 db for +40, -50 and -60 db steps and
 ± 1 db for +30 to -40 db steps

548 to 600 kc
 ± 2 db for all steps

600 ohm balanced measurements:

30 to 600 kc
 ± 2 db for +40 to -40 db steps

Power Supply: 105-125 volts, 60 cycles, 80 volt-amperes.

Size: 17" x 8-11/16" x 13-1/2"

Weight: Approx. 35 lbs.

For detailed description, see A702.591.3.

Replaces KS-15538-L1 and L2 Voltmeters.

For use in connection with tests on the type N carrier telephone system.