

WESTON INSTRUMENTS

The newly expanded CROWN SERIES distinguished by handsome, functional design

Weston's Crown Line represents the ultimate in meter design, performance and readability. The series now includes a 4.5-inch group of D.C. instruments... both A.C. and D.C. types in the 2.5-inch group. Their striking cases will enhance the most modern panels or electronic equipment.

Scales are exceptionally long for the case diameters: 5.3 inches for the 4.5-inch models, up to 2.5 inches for the 2.5-inch models. Ballistic characteristics are greatly improved.

Clear plastic covers and exceptionally long scales afford unmatched readability, with excellent natural illumination from top, front and sides. Confusing shadows are eliminated. In poorly lighted areas, one bulb mounted above the instrument furnishes adequate illumination. The neutral tone of the multi-prism front is designed to complement test equipment or panels of any color. CORMAG[®] mechanisms eliminate the need for external shielding; they can be closely grouped on magnetic or nonmagnetic panels without special adjustments or danger of intereffects.

SPECIFICATIONS

MECHANISM—Models 1721/1722/1741 core magnet moving coil type. Model 1724—Movable iron vane.

ACCURACY—D.C. instruments are with $\pm 2\%$ of full scale value. Model 1722 rectifier type a-c instrument is within $\pm 3\%$ of full scale when used on sine wave 60 cycle source at normal room temperature of 25°C.

Model 1724 a-c instrument is within $\pm 2\%$ of full scale value.

CASE—Crown shape with molded Bakelite base and clear plastic cover.

MOUNTING—Models 1721/1722/1724—Interchangeable with any 2.5" MIL Spec instrument, including the flush round Bakelite case Weston 506 Series.

Model 1741—four #6-32 mounting studs in flange. Conforms to ASA C39.1-1955 for 4½" panel instrument.

TERMINALS—8-32 BC rods with nuts and washers.

POINTERS—Lance type, black finish.

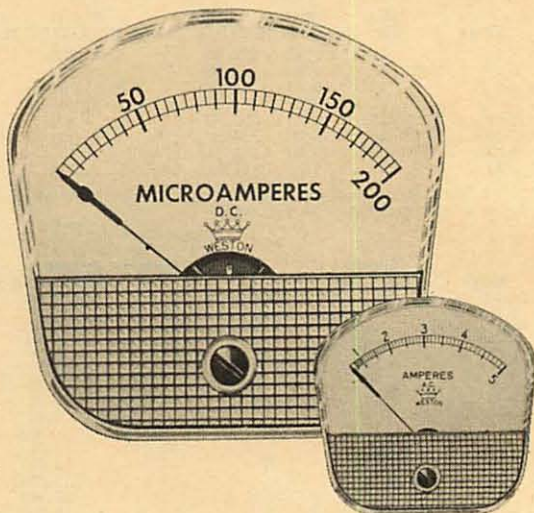
SCALES—Models 1721/1722—Full 2.5" long—(longer than most 3½" panel instruments) 100° arc.

Model 1724—2.25" long, 90° arc.

Model 1741—5.3" long, 100° arc.

ZERO CORRECTOR—Screwdriver type, 360° rotation.

SHIELDING—Models 1721/1722/1471—CORMAG[®] mechanism. Model 1724 is unshielded.



TYPICAL RANGES

D-C MODEL 1721-1741 VOLTMETERS—1,000 Ohms Per Volt

Range	Price		
	Scale Div.	1721	1741
5	50	\$12.75	\$17.50
15	75	12.75	17.50
50	50	12.75	17.50
150	75	12.75	17.50
300	60	13.25	18.00
500	50	—	18.50

AMMETERS

Range (Self-Contained)	Price		
	Scale Div.	1721	1741
1	50	\$12.25	\$17.00
3	60	12.25	17.00
5	50	12.25	17.00
10	50	12.25	17.00

External Shunt Type	Price		
	Scale	Scale Div.	1721
50 MV	100 amps	50	\$12.50
50 MV	150 amps	75	12.50
50 MV	200 amps	40	12.50

MILLIAMMETERS

Range	Price		
	Approx. Res.	Scale Div.	1721
1	80	50	\$12.25
5	8	50	12.25
10	1.1	50	12.25
20	1.1	40	12.25
50	2	50	12.25
100	1	50	12.25
200	0.5	40	12.25
300	0.33	60	12.25
500	0.2	50	12.25
1-0-1	45	50	12.25

MICROAMMETERS

Range	Price		
	Approx. Res.	Scale Div.	1721
20	5500	40	\$22.25
50	4800	50	18.25
100	1230	50	15.25
200	600	40	12.75
500	230	50	12.75
50-0-50	1230	50	15.25

RECTIFIER TYPE A-C MODEL 1722 VOLTMETERS—1,000 Ohms Per Volt

Range	Price	
	Scale Div.	1721
5	50	\$18.75
15	75	18.75
50	50	18.75
150	75	18.75
300	60	18.75
500	50	18.75

MILLIAMMETERS

Range	Price	
	Approx. Res.	Scale Div.
1	470	50
5	150	50

MICROAMMETERS

Range	Price	
	Approx. Res.	Scale Div.
200	2,000	40
500	750	50

MODEL 1724 A-C VOLTMETER 25-125 CYCLES

Range	Price		
	Scale Div.	Approx. Ohms/Volt	1741
5	50	10	\$16.00
10	50	10	16.00
15	30	14	16.00
30	30	27	16.00
50	50	45	16.00
80	40	70	16.00
150	30	130	16.50
300	30	260	18.00
500	50	260	20.50

A-C AMMETER 25-500 CYCLES

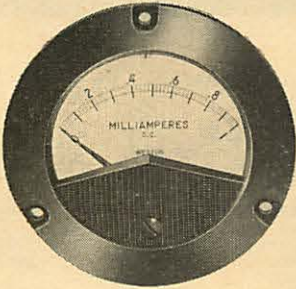
Range	Price		
	Scale Div.	Approx. Resis. Ohms	1741
1	50	0.125	\$16.00
2	40	0.035	16.00
3	30	0.0165	16.00
5	50	0.002	16.00
10	50	0.001	16.00

A-C MILLIAMMETER 25-500 CYCLES

Range	Price		
	Scale Div.	Approx. Resis. Ohms	1741
15	60	600	\$16.00
50	50	82	16.00
100	50	21	16.00
500	50	0.65	16.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

WESTON INSTRUMENTS



201/301

PANEL INSTRUMENT SERIES

The Weston 301 Line—famous and trusted throughout industry for many years—has undergone important changes. The 3½-inch instruments look different, are more versatile, work better and longer. And now a sister line of 2½-inch instruments has been introduced—the 201 Group—matching the 301 instruments in appearance and incorporating the same new features.

The renowned Weston CORMAG® mechanism is now standard equipment... permits mounting on magnetic or non-magnetic panels, close to other instruments, without special adjustments. It makes the "301" and "201" immune to the effects of stray magnetic fields. Ballistic characteristics are improved; even critical damping can be obtained. New, modernistically styled Bakelite cases—round or rectangular—are standard. These cases are interchangeable for A.C. and D.C. models.



MODELS 201/301—D.C. VOLTMETERS 1000 Ohms/Volt

Range	Scale Div.		Price
	201	301	
1	20	50	\$14.25
1.5	30	50	14.25
3	30	60	14.25
5	25	50	14.25
8	40	40	14.25
10	20	50	14.25
15	30	75	14.25
30	30	60	14.25
50	25	50	14.25
80	40	40	14.25
100	20	50	14.25
150	30	75	14.25
200	40	40	14.75
300	30	60	14.75
500	25	50	15.25
1KV		50	20.25

MODEL 204/304 SERIES—A.C. VOLTMETERS

Range	Scale Div.	Approx. Ohms/Volt		Price
		204/304	204	
1.5	30	3	\$17.50	\$18.50
3	30	6	17.50	18.50
5	50	10	17.50	18.50
10	50	10	17.50	18.50
15	30	14	17.50	18.50
30	30	27	17.50	18.50
50	50	45	17.50	18.50
80	40	70	17.50	18.50
130	26	115	18.00	19.00
150	30	130	18.00	19.00
250	25	220	19.00	20.00
300	30	260	19.50	20.50
500	50	260	22.00	22.00

A.C. AMMETERS—25-500 CYCLES

Range	Scale Div.	Approx. Resis. Ohms		Price
		204/304	204	
1	50	0.125	\$17.00	\$18.00
2	40	0.035	17.00	18.00
3	30	0.0165	17.00	18.00
5	50	0.002	17.00	18.00
10	50	0.001	17.00	18.00
20	40	0.001	17.00	18.00
30	30	0.00085	17.00	18.00
50	50	0.00072	17.00	18.00

A.C. MILLIAMMETERS

Range	Scale Div.	Approx. Resis. Ohms		Price
		204/304	204	
15	30	600	\$17.00	\$18.00
50	50	82	17.00	18.00
100	50	21	17.00	18.00
500	50	0.65	17.00	18.00

208 THERMO SERIES—THERMO-AMMETER

Range	Scale Div.	Price		Price
		Range	Scale Div.	
1	20	\$29.00	8	\$29.00
1.5	30	29.00	10	29.00
2	40	29.00	15	29.00
3	30	29.00	20	29.00
5	25	29.00		29.00

THERMO-MILLIAMMETER

Range	Scale Div.	App. Resis. Ohms		Price
		Scale Div.	App. Resis. Ohms	
100	20	5.2	\$33.00	\$33.00
*115	20	5.2	33.00	33.00
120	30	5.2	33.00	33.00
300	30	1.8	33.00	33.00
500	25	1.3		33.00

*Current Squared Galvanometer with uniform 100 division scale.

MODEL 308 SERIES—THERMO-AMMETER

Range	Scale Div.	Price		Price
		Range	Scale Div.	
1	50	\$30.00	5	\$30.00
1.5	60	30.00	8	30.00
2	40	30.00	10	30.00
2.5	50	30.00	15	30.00
3	60	30.00	20	30.00
4	40	30.00		30.00

THERMO-MILLIAMMETER

Range	Scale Div.	App. Resis. Ohms		Price
		Scale Div.	App. Resis. Ohms	
† 10	50	85	\$66.00	\$66.00
† 20	40	22	66.00	66.00
† 50	50	5	66.00	66.00
100	50	8	34.00	34.00
*115	50	5.2	34.00	34.00
120	60	5.2	34.00	34.00
150	75	5.2	34.00	34.00
200	40	2.7	34.00	34.00
300	60	2.4	34.00	34.00
500	50	1.3	34.00	34.00

For ranges of 100 MA or higher, expanded scale can be furnished at an additional \$8.00.

†Vacuum Thermocouple type

*Current Squared Galvanometer with uniform 100 division scale

MODELS 201/301—D.C. MICROAMMETERS

Range	Scale Div.		Approx. Res.				Price			
	201/301/206	301/306	201	206	301	306	201	206	301	306
10	20	50	—	4500	—	4500		\$31.00		\$32.00
20	40	40	—	1520	5500	1520		26.00	\$24.75	27.00
30	30	60	—	1520	5500	1520		25.00	23.00	26.00
50	25	50	4150	1140	4800	1140	19.75	24.00	20.75	24.00
100	20	50	870	660	1230	600	16.75	22.00	17.75	22.00
200	40	40	600	—	600	—	14.25	15.25	15.25	22.00
500	25	50	160	—	230	—	14.25	15.25	15.25	
50-0-50	20	50	870	—	1230	—	16.25	17.75	17.75	
100-0-100	40	40	600	—	600	—	14.25	15.25	15.25	
500-0-500	20	50	100	—	88	—	13.75	14.75	14.75	

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PANEL INSTRUMENT SERIES, CONT.

202/302 RECTIFIER TYPE A.C. SERIES			A.C. VOLTMETER			A.C. MILLIAMMETERS		
1000 Ohms/Volt			2000 Ohms/Volt			Approx. Resis.		
Range	Scale Div.	Price	Range	Scale Div.	Price	Range	Scale Div.	Price
3	302	202	302	302	302	0.5	50	1030
5	50	\$20.25	1	50	\$20.75	1	50	\$20.25
10	50	20.25	1.5	75	20.75	2	50	20.25
15	50	20.25	3	60	20.75	5	50	20.25
30	50	20.25	5	50	20.75			
50	50	20.25	10	50	20.75			
100	50	20.25	15	75	20.75			
150	75	20.25	30	60	20.75			
300	60	20.75	50	50	20.75			
			100	50	20.75			
			150	75	20.75			
			300	50	20.75			
				150	75	20.75		

NEW 1751 SERIES

An important new addition to the Weston panel instrument line. Noteworthy features include an all-Bakelite case with glass window... the Weston CORMAG® self-shielded mechanism... 4" long scale. Method of mounting conforms to ASA C39.1-1955 for 4 1/2" panel instruments.

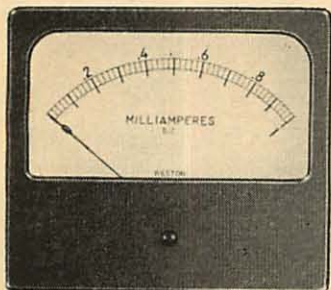
TYPICAL RANGES D-C MODEL 1751

D-C AMMETERS				D-C MILLIAMMETERS			
Range (Self-contained)	Scale Div.	Price		Range	Scale Div.	Approx. Res.	Price
1	50	\$16.25		1	50	88	\$16.25
3	60	16.25		5	50	8	16.25
5	50	16.25		10	50	1.1	16.25
10	50	16.25		20	40	1.1	16.25
				50	50	2.0	16.25
				100	50	1	16.25
				200	40	0.5	16.25
				300	60	0.33	16.25
				500	50	0.2	16.25

D-C MICROAMMETERS				D-C VOLTMETERS (1000 Ohms per Volt)			
Range	Scale Div.	Approx. Res.	Price	Range	Scale Div.	Price	
50	50	4700	\$22.25	5	50	\$16.75	
100	50	1230	19.25	15	75	16.75	
200	40	600	16.75	50	50	16.75	
500	50	230	16.75	150	75	16.75	
				300	60	17.25	

RECTIFIER TYPE A-C—MODEL 1752

A-C MILLIAMMETERS				A-C MICROAMMETERS				A-C VOLTMETERS (1000 Ohms per Volt)			
Range	Scale Div.	Approx. Res.	Price	Range	Scale Div.	Approx. Res.	Price	Range	Scale Div.	Price	
1	50	470	\$22.75	200	40	2400	\$25.25	5	50	\$22.75	
5	50	150	22.75	500	50	750	22.75	15	75	22.75	
								50	50	22.75	
								150	75	22.75	
								300	60	22.75	



Model 980 Mark II

Price \$44.50

Combination protective front cover and tilt stand\$5.50

MARK II ANALYZER

The new thin-line Mark II is a highly sensitive and extremely rugged volt-ohm-milliammeter designed for a wide range of accurate test measurements in the electronic field.

Famous CORMAG® mechanism protects the instrument against false readings due to magnetic disturbances. Electrostatic shielding assures accu-

FEATURES

- Modern Thin-Line Design
- Spring Back Jewels for Maximum Shock Resistance
- Fused Resistance Ranges
- Transit Switch Position to Dampen Movement During Transportation
- Fully Insulated Craakproof Case
- Single Selector Knob for all Functions and Ranges
- Wide Angle Scale for Maximum Visibility
- Precision Components—No Parts Selection Required
- Single Board Etched Wiring Circuit for Easy Maintenance
- Static Shielded for Accurate High Voltage Measurement
- 4-Way Combination Tilt Stand and Protective Cover Available

SPECIFICATIONS

Accuracy: 2%, d-c; 3%, a-c.
Scale Length: 4.63"

Ranges:
D-C Volts: 1.6, 8, 40, 160, 400, 800, 4000
... at 20,000 ohms/volt.

A-C Volts: 1.6, 8, 40, 160, 400, 1600... at 1,000 ohms/volt.

DB Range: -15 db to +54 db (in six ranges).

D-C Milliamperes: 1.6, 8, 80, 800.

D-C Microamperes: 80.

Ohms Range	Center Scale	Full Scale
R x 1	25	1,000
R x 10	250	10,000
R x 100	2,500	100,000
R x 1,000	25,000	1 megohms
R x 10,000	250,000	10 megohms

rate measurements at high d-c voltages. Fuses in the low ohmmeter circuits prevent burnout if voltages are mistakenly applied. Interchangeable parts eliminate all need for parts selection in the event replacements are ever necessary. The break-proof case will withstand dropping and thus eliminate the major source of repair and maintenance costs.

Case: Black molded HYCAR, with carrying strap. Break resistant.

Panel: Black molded HYCAR with engraved white markings.

Size: 6.25" x 7.50" x 2.25".

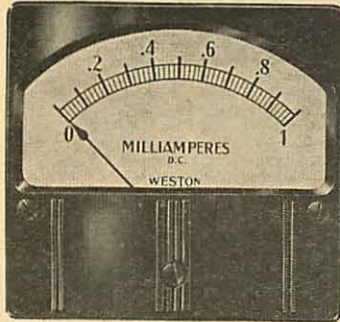
Approx. Weight: 2.5 lbs.

Ohms: Four decade ranges: 1K to 10 meg full scale; 25 ohms to 250K center scale.

High Voltage Probes: High voltage probes are available for measuring high voltages up to 20 kv at 50 microamperes or less. Probes have multiplier resistors encased in insulated handles. Multipliers are rated with a flash voltage of 30 kv.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

WESTON INSTRUMENTS



MODEL 961

MODEL 961—D-C INSTRUMENTS

Rated accuracy 2% of full scale—Scale 3.17" (80.3 mm)—Permanent Magnet Moving Coil

D-C VOLTMETERS

Range	Scale Div.	Price
1	50	\$34.25
2	40	34.25
3	60	34.25
5	50	34.25
7.5	75	34.25
10	50	34.25
15	75	34.25
25	50	34.25
30	—	34.25
50	50	34.25
80	40	34.25
100	50	35.00
130	65	35.75
150	75	35.75
200	40	36.50
250	50	38.00
300	60	38.75
500	50	41.75

Self-contained ranges listed have sensitivity of approximately 200 ohms per volt up to and including 200 volts; higher ranges are 1000 ohms per volt.

4 1/4" PANEL INSTRUMENTS

D-C MILLIAMMETERS

Range	Scale Div.	Approx. Res.	Price
1	50	80	\$34.25
3	60	7.3	34.25
5	50	2.8	34.25
10	50	1.25	34.25
25	50	1.0	34.25
30	50	—	34.25
50	50	2	34.25
100	50	1	34.25
200	40	0.5	34.25
300	60	0.33	34.25
500	50	0.2	34.25

Ranges above 25 milliamperes are shunted and have a drop of approximately 100 millivolts.

D-C AMMETERS

Range	Scale Div.	Price	Range	Scale Div.	Price
1	50	\$34.25	5	50	\$34.25
1.5	75	34.25	10	50	34.25
2	40	34.25	25	50	34.25
3	60	34.25	50	50	34.25

Regularly supplied with self-contained shunts up to and including 50 amperes, but can be supplied with external 50 mv shunts and 5 foot (0.065 ohm) leads.

D-C MICROAMMETERS

Range	Scale Div.	Approx. Res. Ohms	Price
30	60	1800	\$50.00
50	60	720	48.25
75	75	450	48.25
100	50	250	48.00
200	40	400	38.00
300	60	175	38.00
500	50	80	38.00

MODEL 963—THERMO AMMETERS

Rated accuracy 2% of full scale . . . Scale 3.17" . . . Thermocouple type.

POWER CONSUMPTION: 1 to 4 amperes incl. varies from 0.2 to 0.4 watt per ampere. Approx. 5 amperes and above—0.2 watt per ampere.

Frequency errors less than 2% up to 65 megacycles.

Amps.	Scale Div.	Price	Amps.	Scale Div.	Price
1	50	\$43.00	5	50	\$43.00
1.5	75	43.00	6	60	43.00
2	40	43.00	8	40	43.00
2.5	50	43.00	10	50	43.00
3	60	43.00	15	75	43.00
4	40	43.00	20	40	43.00

The ranges are all self-contained.

Through the use of specially controlled characteristics, thermo ammeters can be supplied to meet the special requirements of the FCC for antenna ammeters.

MODEL 962—TYPE 30 VU METERS

Model 962 VU Meters are available with a choice of two scales. Type A stresses the level in VU and is used largely in monitoring wire lines. Type B emphasizes per cent use of transmitter output and is the standard for broadcast service. Scale backgrounds are buff colored.

Scale A or B.....Model 962—\$55.50

MATCHED A-C AND D-C PORTABLE INSTRUMENTS

MODEL 433—A-C INSTRUMENTS

Scale Length 4.04"—Accuracy within 3/4 of 1% — Movable Iron Type — Shielded Case Size 5-1/16" x 5 1/4" x 3 1/4"—Weight 2 1/2 lbs.—Hand Calibrated Mirror Scales Bakelite Case with Carrying Strap.

Note: These instruments are calibrated for use in a horizontal position.

A-C VOLTMETERS

Made with single, double and triple ranges. For use on frequencies from 25 to 125 cycles.

Range	Price
10, 30, 50, 75	\$ 85.75
10/5, 20/10, 30/15	87.25
450/300/150	103.75
600/300/150	103.75
750/300/150	103.75

A-C MILLIAMMETERS

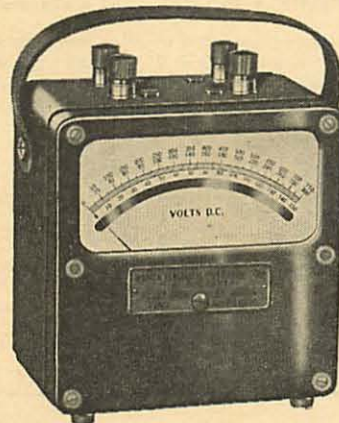
Made in single and double ranges only, for use on frequencies from 25 to 500 cycles.

Range	Price
15, 30, 75, 500	\$ 79.25
300/150	91.75

A-C AMMETERS

Made in single, double and triple ranges for use on frequencies from 25 to 500 cycles. All instruments have two binding posts; double and triple range instruments are provided with a range selector switch.

Range	Price
1, 1.5, 2, 3	\$ 80.75
15, 25, 30	80.75
2/1, 5/2.5, 10/5	93.75
3/1.5/0.75, 5/2.5/1, 10/5/1	131.75
20/5/2, 30/7.5/3, 50/20/5	131.75



MODEL 432—D-C AND SINGLE PHASE A-C WATTMETERS

Double voltage and single or double current ranges, self-contained up to 300 volts and 50 amperes, frequencies from 25 to 125 cycles.

Electrodynamometer Type Accuracy 1/2 of 1%—Scale Length 4.04" Case Size 5 1/4" x 5 1/4" x 3 1/4"—Wt. 3 1/4 lbs.

Normal Volts	Normal Amps	Price
150/75	.1	\$173.75
Double Current Ranges		
300/150	5/2.5	173.75

MODEL 931—D-C INSTRUMENTS

Scale Length 4.04"—Accuracy within 1/2 of

1% Core Magnet Moving Coil Type. Case Size 5-1/16" x 5 1/4" x 3 1/4"—Weight 2 lbs. — Hand Calibrated Mirror Scales — Bakelite Case with Carrying Strap.

Note: These instruments are calibrated for use in a horizontal position.

D-C VOLTMETERS

Range	Net Price 1,000 Ohms Per Volt	Price 5,000 Ohms Per Volt
3, 15, 50	\$ 78.25	\$ 89.75
300/150/3	92.25	103.50
750/300/150	92.25	103.50

D-C AMMETERS

Range	Price
1, 1.5, 3, 5	\$ 79.25
30/15/3	92.25
50/20/5	92.25

Self-contained up to 50 amperes inclusive, but can be supplied with external 50 mv shunts and 5 ft. leads.

D-C MILLIAMMETERS

Range	Approx. Res. Ohms	Price
15, 150		\$ 76.25
1500/150/15		89.75
15/1.5/15		101.25

Single range Milliammeters with ranges above can be supplied with external 50 mv shunts and 30 ma are shunted and have a drop of 50 mv ±5%.

D-C MICROAMMETERS

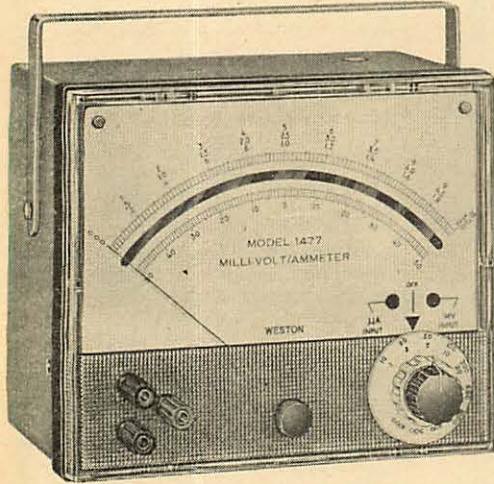
Range	High Resistance		Low Resistance	
	Approx. Res. Ohms	Price	Approx. Res. Ohms	Price
30	2300	101.25	490	\$103.50
100	2000	89.75	60	\$101.25
200	600	84.75	15	89.75

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WESTON INSTRUMENTS

MODEL 1477 ELECTRONIC MILLI-VOLT/AMMETER

This versatile Electronic Milli-Volt/Ammeter provides in a single, compact, light-weight unit measurement and amplification of a wide span of d-c current and voltage ranges. The Weston Model 1477 uses a unique electronic servo-amplifier whose extreme high gain, coupled with full feedback, provides accuracy and stability without the adverse affects resulting from variations of line voltage or frequency, condition of amplifier tubes or other variables. No mechanical switches or choppers are used. The device is a true d-c meter with zero-drift comparable to a typical permanent magnet moving coil instrument. It offers the advantage of essentially zero power-drain from the source being measured, and combines this with power-gain sufficient to supply 1 ma output to drive its own indicating meter, and any external load of 5000 ohms or less. The power output is available at terminals in the back of the unit. The indicating instrument, incorporating the famous Weston self-shielded CORMAG[®] mechanism which permits its use in close proximity to magnetic fields without affecting accuracy, knife-edge pointer and mirror scale, all combine to provide dependable performance and unmatched visibility.



- Calibration is dependent only on precision resistors in the range standard.
- No tube selection is necessary when replacements are needed.
- Neither input or output need be grounded, but if grounding is desired, either side or some intermediate point can be grounded. Output polarity may be selected at will.
- Since zero-drift is dependent only on position of galvanometer coil, long-time drift can be maintained to less than 2 microvolts after a few minutes warm-up time.
- Gain stability and output linearity are both within 0.1% at ranges above 1 mv or 200 μ a.
- Resolution capability is within 2 microvolts or .02 microamperes.
- Adjustable to zero-left or zero-center.

SPECIFICATIONS

Ranges: 10-20-50-100-200-500-1000 microamperes.
 1-2-5-10-20-50-100-200-500-1000 millivolts.
 Accuracy: 2% on lowest current and lowest potential range. 1% on all others.
 Instrument Scale: mirror, 7.12" long; black and red printing on white dial.
 Approx. Size: 7 $\frac{3}{4}$ " wide x 6 $\frac{1}{2}$ " high x 4 $\frac{3}{8}$ " deep.
 Approx. Weight: 5 $\frac{1}{2}$ lbs.
 Power: 105-125 volts a-c 50-1600 cycles, 35 watts internally fused.
 Amplifier Component: Weston Model 1411 INDUCTRONIC[®] DC Amplifier.
 Model 1477—Price\$355.00

SUPER-SENSITIVE ANALYZER MODEL 779

ACCURACY: A-C within 3%; D-C within 2% to 250 volts; 3% on 1,000 volt range.

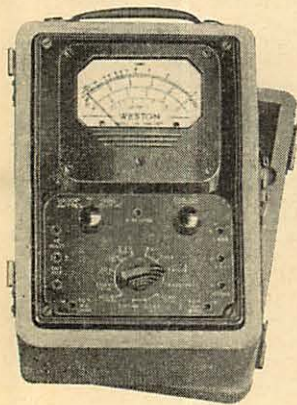
Size: 6 $\frac{3}{8}$ " x 9 $\frac{1}{8}$ " x 4 $\frac{7}{8}$ " (162 x 232 x 124 mm) Approx. Wt.: 6 lb. (2.72 kgs.)

A compact 26 range ultra-sensitive analyzer with five d-c voltage ranges at a sensitivity of either 1,000 or 20,000 ohms per volt. A-C temperature compensated; precision resistors throughout. Supplied in a rugged solid oak case with a removable cover and convenient carrying handle. Test leads are provided.

RANGES

Volts		Current		Decibels	Ohms
D-C	A-C	D-C Only			
2.5	2.5	.1 Ma	- 14 to + 2*	0-3000	
10	10	1 Ma	- 2 to + 14*	0-30,000	
50	50	10 Ma	+ 12 to + 28*	0-300,000	
250	250	50 Ma	+ 26 to + 42†	0-30 Meg	
1000	1000	250 Ma	+ 38 to + 54††		
		1 Amp	(6 milliwatts,		
		10 Amp	500 ohms, zero level)		

* Substantially flat to 10,000 cycles.
 † Substantially flat to 3,000 cycles. †† Substantially flat to 1,000 cycles.



Model 779 Type 1
 Price \$151.25

MODEL 799 INSULATION TESTER

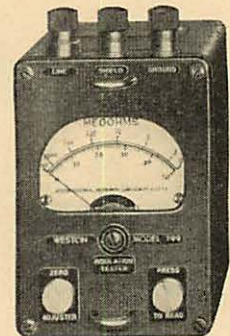
ACCURACY: Within $\frac{1}{8}$ " of scale length. SCALE: 2.375" (60.3 mm)

Size: $\frac{3}{16}$ x 5 $\frac{1}{4}$ x 5" (86 x 133 x 127 mm) Approx. Wt.: 3.8 lbs. (1.7 kgs.)

For leakage measurements up to 10,000 megohms at low voltage at a maximum test potential 50 volts. Test leads, tubes, batteries and oak case are supplied.

RANGES: 0-10,000 megohms (Logarithmic scale)

Price \$86.50



Model 799

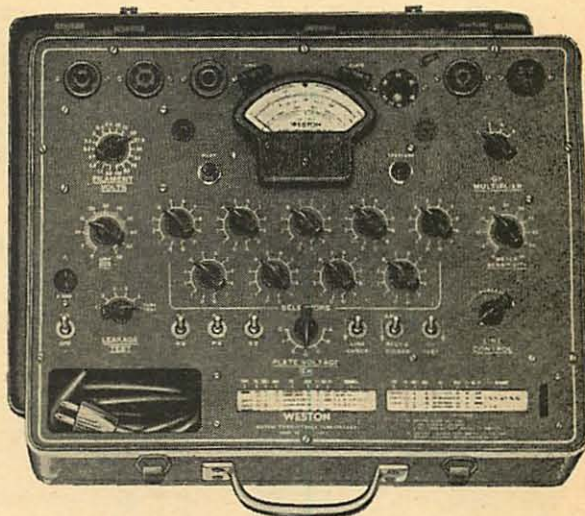
PRICES SUBJECT TO CHANGE WITHOUT NOTICE

WESTON INSTRUMENTS

WESTON MODEL 981 PROPORTIONAL MUTUAL CONDUCTANCE TUBE CHECKER

FEATURES

- METER MEASUREMENT OF HIGH LEAKAGE RESISTANCE:** Provides an accurate meter measurement of leakage resistance as high as 5 megohms between tube elements, thus being particularly useful for TV servicing and TV line production assembly.
- MULTIPLE SWITCHING FACILITIES:** Protection against obsolescence is assured through the use of nine single circuit, twelve position, selector switches.
- TWIN SECTION TUBES:** Three toggle switches make it possible to rapidly check and compare the respective sections of twin section tubes at only one setting of the selector switches.
- SINGLE SOCKET FOR EACH TUBE BASE REGARDLESS OF TUBE CONNECTION:** Eliminates the possibility of plugging a tube into the wrong socket.
- Gm MEASUREMENTS:** Gm measurements are made more accurately by using filtered d-c plate, screen grid and control grid potentials. A precision voltage divider network and selector switch allows a proportionate value of signal voltage to be chosen for testing tubes having transconductances up to 30,000 micromhos. Signal voltages of 5.2, 2.6, 1.3, and 0.65 volts peak-to-peak having a frequency of 5000 cycles are provided.
- ROLL INDEX CHART—**A complete listing of tube test data is available at the flick of a finger by means of an easy-to-read, built-in roll chart.
- LEAKAGE TEST:** The leakage tests are performed at a d-c potential of 125 volts. For each numbered position of the LEAKAGE TEST switch, a specific tube element is isolated and connected into a series ohmmeter circuit consisting of the isolated element, the 125 volt d-c potential, a current limiting resistor, a milliammeter, and all other elements of the tube.
- VOLTAGE REGULATOR TUBES:** A selenium rectifier supply furnishes 200 volts d-c for testing of voltage regulator tubes.
- SUBMINIATURE TYPE TUBES:** A 45 volt potential source facilitates testing of subminiature tubes.



SPECIFICATIONS

- FILAMENT VOLTAGES:** .65, 1.1, 1.5, 2, 2.5, 0.6a, 3.3, 5, 6.3, 7.5, 10, 13, 20, 27.5, 35, 47, 70, 115.
- PLATE VOLTAGES:** 90, 130, 220 volts d-c; 22, 44, 160 volts a-c.
- SIGNAL VOLTAGES:** 5.2, 2.6, 1.3, 0.65 volts peak-to-peak.
- Gm RANGE:** Up to 30,000 micromhos.
- POWER REQUIREMENTS:** 100 to 125 volts, 60 cycles single phase a-c, 30 watts.
- CASE:** Grey hammertone finished steel.
- SIZE:** 17.50" x 13.25" x 6.00".
- WEIGHT:** 23½ lbs. (10.7 Kgs.).

Model 981 Type 3A.....Price \$283.50

Model 749 Miniature Clamp Volt-Ammeter

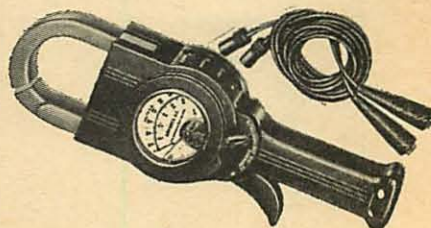


Light weight and rugged pocket-size instrument for quick easy servicing. Has self-shielded core magnet mechanism with spring backed jewels, and shatter-proof Plexiglas window. Only one scale for all ranges and functions. Jaws take up to 1" round, or 1¾" x ¾" rectangular conductors. Furnished with test leads in scuff-proof case.

Plug-In Adapter available for making both current and voltage measurements . . . has female receptacles on both sides for plugging in load without disturbing circuit being tested . . . convenient for lead insertion for voltage checks . . . serves as 10 to 1 divider for low current measurements.

RATED ACCURACY: (Model 749) ±3% full scale deflection.
RANGES: Current 300/150/60/30/15/6 amperes a-c.
 Voltage 600/300/150 volts a-c.
 Model 749 — \$44.50 complete Plug-In Adapter — \$4.75

Model 633 Clamp Volt-Ammeter and Clamp- Ammeter



MODEL 633 Type VA-1

- Price
- Model 633 Type VA-1 (Incl. Potential Leads) — 1000/250/100/25/10 amperes a-c 700/350/175 volts a-c.....\$112.50
 - Model 633 Type A-3 — 2000/1000/500/250/100/50 amperes a-c\$105.25
 - Model 9958, 50 Foot Extension Cable, Plug & Receptacle for Model 633 Types A-1, A-2, A-3.....\$ 72.00
 - Leather Carrying Case (Model 633 Types VA-1, A-1, A-2, A-3) \$ 13.50
 - Leather Carrying Case (Model 9958 — Cable, Plug and Receptacle)\$ 22.50

NOTE—Model 633 instruments may be used for continuous duty up to 500 amperes.

Approximate Dimensions and Weights

- Model 633 Types VA-1, A-1, A-2, A-3.....13½x4¾"x2½" 3¼ lbs.
- Leather Carrying Case (Types VA-1, A-1, A-2, A-3).....14½"x5½"x3½" 2¼ lbs.
- Model 9958, 50 Foot Extension Cable, Plug & Receptacle.....4¼ lbs.
- Leather Carrying Case (Model 9958—Cable, Plug & Receptacle) 14"x8½"x3¾" 4¼ lbs.

Prices Subject To Change Without Notice.