

Parts List (Cont.)

MISCELLANEOUS	
S-1	Switch
S-2	Switch
S-3	Switch
M-1	Meter 200 uA
F-1, F-2 = 0.5 amp for 115V S10-B10 3A6 BR FUF-1	
F-1, F-2 = 0.2 amp for 230V S10-B10 3A6 BR FUF-1	
P-1 = Pilot Light	Part of CAP-1-2
PL-1 = Plug	Part of CAP-1-2
T-1 = Transformer	485-468-2
	2LAP-339

SPECIFICATIONS

SWRN-63

SWT-333

DPST

SWT-335

DPST

WEDS-50

200 uA

Voltage at Unknown: The voltage applied to the unknown is 500 volts or 50 volts as selected by means of a panel switch. A neon lamp warns when the 500-volt supply has been selected. Over a 105-125-volt range in line voltage and over the resistance range of instrument, the variation in voltage across the unknown resistor will be less than 1% volt at 500 volts and less than ±3.5 volts at 50 volts. All resistance values below one megohm, the applied voltage drops rapidly.

Range: 0.5 megohm to 2,000,000 megohms at 500 volts and to 200,000 megohms at 50 volts. There are six decade steps as selected by a multiplier switch.

Scale: Each resistance decade up to 500,000 megohms (50,000 megohms for 50 volt) utilizes 90% of the meter scale. Center scale values are 1, 10, 100, 1000, and 10,000 megohms with, in addition, a center scale value of 100,000 megohms for 500-volt operation.

Accuracy: For 500-volt operation, the accuracy in percent of indicated value at all the highest multiplier setting is ±3% on the low-resistance end of each decade, ±5% mid-scale and ±12% at the high-resistance end. There can be an additional ±2% error at the highest multiplier setting. For 50-volt operation, there is an additional ±1.5% error on all but the 0.5-5 megohm decade where the additional error can be ±5%.

Terminals: In addition to terminals for connecting the unknown, ground and guard terminals are provided. At two positions of the panel switch, all voltages is removed from terminals to permit connection of the unknown in safety. In one of the positions, the UNKNOWN terminals are shunted to discharge the capacitive component of the unknown, but the ground terminal are insulated.

Check: A switch position is provided for standardizing the calibration at 500 volts. **Design:** Since field applications are more severe than laboratory use, the instrument designed to be unusually rugged. The carrying case can be completely closed; accessory power cable and test leads are carried in the case. Controls are simplified for untrained personnel.

Tubes: Supplied with the instrument: one 12AU7, one CA2, one 6X4, one 2K2-A, one 6AB4, one 6AU6, and one 5651.

Controls: A switch for selecting the operating voltage, a switch for selecting the multiplying factor, a control for standardizing the calibration, a control for setting the meter to the infinity reading and a power switch.

Mounting: The instrument is assembled on an aluminum panel finished in black lacquer and is mounted in an aluminum cabinet with black-wrinkle finish and with aluminum protective sides. The aluminum-cover finish is black wrinkle. The case is provided with a carrying handle.

Power Supply: 115 (or 230) volts at 40 to 60 cycles. The power input is about 25 watts. **Accessories Supplied:** Two 3-foot color-coded test leads with phone tips, two insulation probes, two alligator clips and a 274-M type plug.

Dimensions: (Height) 10-1/8 inches x (width) 9-1/8 inches x (depth) 11-3/4 inches overall. **Weight:** 15-1/4 pounds.