WARRANTY

SIMPSON ELECTRIC COMPANY warrants each instrument and other articles of equipment manufactured by it to be free from defects in material and workmanship under normal use and service, its obligation under this warranty being limited to making good at its factory any instrument or other article of equipment which shall within 90 days after delivery of such instrument or other article of equipment to the original purchaser be returned intact to it, or to one of its authorized service stations, with transportation charges prepaid, and which its examination shall disclose to its satisfaction to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied and of all other obligations or liabilities on its part, and SIMPSON ELECTRIC COMPANY neither assumes nor authorizes any other persons to assume for it any other liability in connection with the sale of its products.

This warranty shall not apply to any instrument or other article of equipment which shall have been repaired or altered outside the SIMPSON ELECTRIC COMPANY factory or authorized service stations, nor which has been subject to misuse, negligence or accident, incorrect wiring by others, or installation or use not in accord with instructions furnished by the manufacturer.

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In Canada: Bach-Simpson, Ltd., London, Ontario

LAC DU FLAMBEAU PLANT

LAKE STREET PLANT

KINZIE STREET PLANT

AURORA PLANT

OPERATOR'S MANUAL

LOW-RANGE OHMMETER

MODEL 362

SIMPSON ELECTRIC COMPANY

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IN CANADA, BACH-SIMPSON, LTD., LONDON, ONTARIO

Printed in U.S.A.

SIMPSON LOW-RANGE OHMMETER MODEL 362

OPERATING INSTRUCTIONS

The Simpson Low-Range Ohmmeter Model 362 is a low-drain two-range unit for measurement of resistance values from 0.1 ohm to 25 ohms, with an accuracy of about 3%. Resistance values are indicated on an expanded scale of the suppressed-infinity type.

The pointer rests on the OFF line when the function switch is in the OFF position. To operate the Model 362, turn the function switch to the ADJUST position, and rotate the control knob to bring the pointer exactly to the ADJUST line. The test leads are not shorted to make this pointer adjustment.

The Model 362 is now ready for use. Apply the test leads across the resistance or component under test. To measure resistance values between 5 ohms and 25 ohms, set the function switch to the HIGH position; the resistance value is then indicated on the upper scale.

WARNING

Make certain that no voltage is applied to ohmmeter terminals, or the meter may be burned out.

To measure resistance values between 0.1 ohm and 5 ohms, set the function switch to the LOW position; the resistance value is then indicated on the lower scale. Note: The Model 362 is calibrated for use with 0.08 ohm leads, and indication will be in error if test leads having other resistance values are utilized.

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When the Model 362 is not in use, turn the function switch to the OFF position to avoid slow unnecessary drain on the battery. When the pointer can no longer be brought to the ADJUST line with the control knob, the 1.5 volt Type C flashlight cell must be replaced. The four accessible screws on the bottom of the case are loosened to permit removal of the lower half of the front panel – the meter movement remains in the case. Observe proper polarity of the battery; the negative end of the battery contacts the spring clip which is connected to a wire-wound bobbin.

The Model 362 is ruggedly constructed and will give excellent service if a few precautions are observed, as follows:

1. Avoid rough handling of the meter or test leads.
2. When checking resistance in a circuit, be sure that no voltage is present. A small voltage will cause an error in the indication, and a substantial voltage will damage the meter.
3. Turn the function switch to the OFF position when the instrument is not in use.

The Simpson Low-Range Ohmmeter Model 362 is particularly useful in radio and television service to measure the resistance values of coil winding, to run down shorts in wiring systems, and to check contact and ground resistance. The instrument is also valuable in refrigeration, air conditioning and motor repair, to check winding resistances, relay coils and contacts, etc.