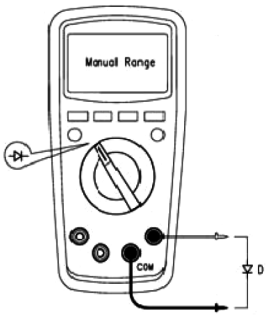
3. For forward voltage drop readings on any semiconductor component, connect the red test probe to the component's anode and the black test probe to the cathode.



Notes:

Test voltage for diode check is ~3.2V.

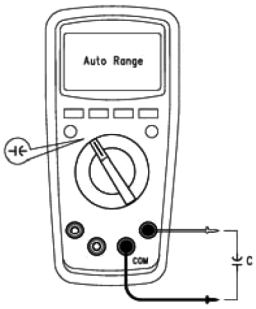
Turn off all power to the circuit under test and discharge all capacitors before connecting the meter.

When a measurement has been completed, disconnect the test probes from the circuit under test, and remove the test leads from the input terminals.

Capacitance measurement

To measure the resistance, perform the following steps:

1. Insert the red test lead into the VΩHz°C terminal and the black test lead into the COM terminal.
2. Turn the range selector to ⊣⊢, the meter and leads will display a fixed internal capacitance. Press **REL** Δ to switch to relative measurement which will automatically deduct this value from the measured value.
3. Connect the test probes with the object being measured. The actual value shows on the display.
4. Several seconds may be needed to measure a high value capacitor.



Notes:

OL is displayed if the reading is out of range.

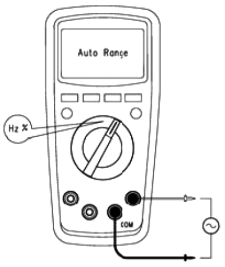
Turn off all power to the circuit under test and discharge all capacitors before connecting the meter.

When a measurement has been completed, disconnect the test probes from the circuit under test and remove the test leads from the input terminals.

Duty Cycle measurement

To measure duty cycle, perform the following steps,

1. Insert the red test lead into the •))⊣⊢VΩ terminal and the black test lead into the **COM** terminal.
2. Turn the rotary switch to **Hz** to select duty cycle measurement mode.
3. Connect the test probes with the object being measured. The measured value shows on the display.



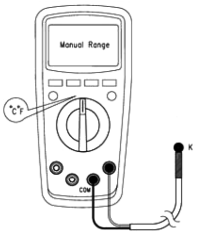
Note:

• When a measurement has been completed, disconnect the test probes from the circuit under test and remove the test leads from the input terminals.

Temperature measurement

To measure temperature, perform the following steps:

1. Insert the red Thermocouple lead into the VΩHz°C terminal and the black lead into the COM terminal.
2. Turn the rotary switch to °C°F to select temperature measurement mode.
3. The measured value shows on the display.



Note:

When a measurement has been completed, disconnect the thermocouple from the circuit under test and remove the test leads from the input terminals.