



SCHEMATIC OF THE HEATHKIT® PORTABLE DIGITAL MULTIMETER MODEL IM-2215

- NOTES:
- REFER TO THE "CIRCUIT BOARD X-RAY VIEWS" FOR THE PHYSICAL LOCATION OF PARTS.
 - REFER TO THE COMPONENT IDENTIFICATION SECTION FOR THE TOLERANCE, WATTAGE, AND TEMPERATURE COEFFICIENT OF RESISTORS SHOWN ON THE SCHEMATIC.
 - RESISTOR VALUES ARE IN OHMS (K=1000, M=1,000,000).
 - CAPACITOR VALUES LARGER THAN 1.0 ARE IN pF AND CAPACITOR VALUES LESS THAN 1.0 ARE IN nF UNLESS OTHERWISE SPECIFIED.
 - ⏏ INDICATES POWER GROUND.
 - ⏚ INDICATES LOW-NOISE GROUND.
 - ⏏ INDICATES A WIRE CONNECTION TO A CIRCUIT BOARD.
 - ⊙ INDICATES A TEST POINT.

- ⊙ INDICATES DC VOLTAGE MEASUREMENT WITH V/Ω AND COM INPUT JACKS SHORTED. VOLTAGES ARE MEASURED WITH RESPECT TO POWER GROUND.
- ⊙* INDICATES DC VOLTAGE MEASUREMENT WITH SW8 IN OHMS POSITION AND V/Ω AND COM INPUT JACKS SHORTED. VOLTAGES ARE MEASURED WITH RESPECT TO POWER GROUND.
- SWITCHES ARE SHOWN IN THE 200MV DC POSITION.

NOTE: ALL VOLTAGES WERE MEASURED AT NOMINAL BATTERY VOLTAGE (9V) WITH A 10 MΩ INPUT IMPEDANCE VOLTMETER. VOLTAGES MAY VARY ±20% EXCEPT AS NOTED. ALL WAVEFORMS WERE MEASURED AT NOMINAL BATTERY VOLTAGE (9V) WITH LOW-CAPACITANCE, 10MΩ PROBE. LEVELS MAY VARY ±10%.