



**SCHEMATIC OF THE  
HEATHKIT®  
AC VOLTMETER  
MODEL IM-5238**

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**NOTES:**

1. THE COMPONENT IDENTIFICATION NUMBERS ON THE AC VOLTMETER ARE IN THE FOLLOWING GROUPS:  
1-99 CHASSIS-MOUNTED PARTS  
101-199 CIRCUIT BOARD PARTS
2. RESISTOR VALUES ARE IN OHMS (Ω): K=1000, M=1,000,000.
3. RESISTORS ARE 1/2-WATT, 10% TOLERANCE UNLESS OTHERWISE NOTED.
4. CAPACITOR VALUES LESS THAN 1 ARE IN μF (MICROFARADS); CAPACITOR VALUES OF 1 OR GREATER ARE IN pF (PICOFARADS), UNLESS OTHERWISE NOTED.
5. THE RANGE SWITCH IS SHOWN IN ITS COUNTERCLOCKWISE (1mV) POSITION.
6. ○ INDICATES A DC VOLTAGE MEASUREMENT TAKEN WITH A HIGH-INPUT IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND. TOLERANCE; ±20%.
7. ○\* INDICATES A DC VOLTAGE WITH A 1KHz, 0.775-VOLT SIGNAL APPLIED TO THE VOLTMETER INPUT. "0"dB RANGE, dB FUNCTION.
8. ▽ INDICATES CIRCUIT BOARD GROUND.
9. ≡ INDICATES A CHASSIS GROUND.
10. ↻ INDICATES CLOCKWISE ROTATION OF A CONTROL.
11. □ INDICATES A CIRCUIT BOARD CONNECTION POINT.
12. ○ INDICATES A COMPONENT MOUNTED TO THE CHASSIS AND TO THE CIRCUIT BOARD.
13. SEMICONDUCTOR IDENTIFICATION CHARTS ARE ON PAGES 55 AND 56.
14. X-RAY VIEW IS IN THE ILLUSTRATION BOOKLET.