Digital Multi-Tester

DESCRIPTION & SPECIFICATIONS

DC Current: Range: 0.1mA ±1.2% of rdg ± 2D 20mA 0.01mA ±1.2% of rdg ± 2D 200mA 0.1mA ±1.5% of rdg ± 2D 10A 10mA ±3.0% of rdg ± 2D

Overload protection: 250mA 250V fuse (10A range unfused).

Resistance: Range: 0.1ohm 20 ohm 200 ohm 2k 20k 200k 2M 10A 1mA ±1.0% of rdg ± 2D ±0.8% of rdg ± 1D ±0.4% of rdg ± 1D ±0.4% of rdg ± 1D ±0.4% of rdg ± 1D ±0.4% of rdg ± 1D ±0.4% of rdg ± 1D ±0.4% of rdg ± 1D

Maximum open circuit voltage: 3.2V

Overload protection: 250mA rms AC on all ranges.

General Characteristics: Maximum display: 1999 counts with automatic polarity indication. Measuring method: Dual-slope integration A/D conversion. Over range indication: *1 figure only in the display. Maximum common mode voltage: 500V DC/110V AC. Temperature range during the measurement: 14°F to 104°F, less than 80% RH. Power supply: 9V battery, NEDA 1604, 6F22 type or equivalent. Dimensions: 126 x 70 x 25mm. Weight: Approximately 170g.

OPERATING INSTRUCTIONS

1. DC Current Measurement: 1. Connect the red test lead to "Y mA" jack and the black test lead to "COM" jack. 2. Set range switch to desired DCV range position. If the voltage to be measured is not known beforehand, set range switch to 2D and then reduce it until a satisfactory reading is obtained. 3. Connect test probes to device or load being measured. 4. Read voltage value on the LCD display along with the polarity of red lead connection.

AC Voltage Measurement: 1. Connect the red test lead to "Y mA" jack and the black test lead to "COM" jack. 2. Set range switch to desired ACV range position. 3. Connect test probes to device or load being measured. 4. Read voltage value on the LCD display.

AC Current Measurement: 1. Connect the red test lead to "Y mA" jack and the black test lead to "COM" jack. (For measurements between 200mA and 10A, connect red lead to "10A" jack.) 2. Set range switch to desired DCA range position. 3. Open the circuit in the current to be measured, and connect test probes to circuit in series with the circuit. 4. Read current value on the LCD display along with the polarity of red lead connection.

Resistance Measurement: 1. Connect the red test lead to "Y mA" jack and the black test lead to "COM" jack. (The polarity of red lead is positive.*). 2. Set range switch to desired resistance range position. 3. Connect test probes across the resistor to be measured and read the LCD display. 4. If the resistance being measured is connected to a circuit, turn power off and discharge all capacitors before measuring.