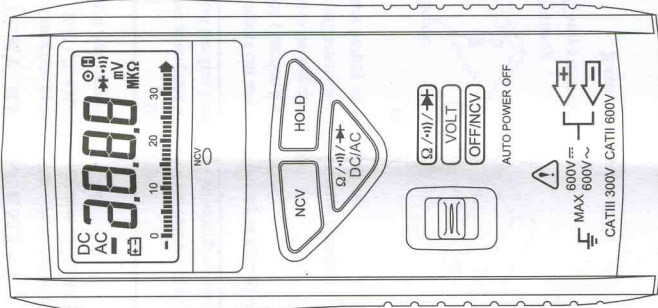


## OPERATING INSTRUCTIONS POCKET DIGITAL MULTIMETER



The following safety information must be observed to insure maximum personal safety during the operation at this meter:

Use the meter only as specified in this manual or the protection provided by the meter might be impaired.

Test the meter on a known voltage before using it to determine if hazardous voltage is present.

Do not use the meter if the meter or test leads look damaged, or if you suspect that the meter is not operating properly.

Never ground yourself when taking electrical measurements. Do not touch exposed metal pipes, outlets, fixtures, etc., which might be at ground potential. Keep your body isolated from ground by using dry clothing, rubber shoes, rubber mats, or any approved insulating material.

Turn off power to the circuit under test before cutting, unsoldering, or breaking the circuit. Small amounts of current can be dangerous.

Use caution when working above 60V dc or 30V ac rms. Such voltages pose a shock hazard.

When Using the probes, keep your fingers behind the finger guards on the probes.


Measuring voltage which exceeds the limits of the multimeter may damage the meter and expose the operator to a shock hazard. Always recognize the meter voltage limits as stated on the front of the meter.

## SPECIFICATIONS

**Display:** 3½ digit liquid crystal display (LCD) with a maximum reading of 3400, with a 34-segment analog bar-graph.

**Polarity:** Automatic, (-) negative polarity indication.

**Overrange:** "OL" mark indication.

**Low battery indication:** The "  " is displayed when the battery voltage drops below the operating level.

**Measurement rate:** 2 times per second, nominal.

**Bar graph:** 12 times per second.

**Auto power off:** approx. 8 minutes.

**Operating environment:** 0°C to 40°C (32° to 104°F) at <70% R.H.

**Storage temperature:** -20°C to 60°C (-4° to 140°F) at < 80% R.H. with battery removed from meter.

**Temperature Coefficient:** 0.1 × (specified accuracy) per °C. (0°C to 18°C, 28°C to 40°C).

**Altitude:** 6561.7 Feet (2000m).

**Power:** Two 1.5 button-type batteries (IEC # LR-44, NEDA # 1166A).

**Battery life:** 70 hours continuous operation.

**Dimensions:** 125mm (H) × 60mm (W) × 24mm (D).

**Weight:** Approx. 3.9 oz. (110g) including batteries and case.

(Accuracy at 23°C ±5°C, <70% R.H.)

Non-Contact Voltage Indicators		Resolution	
Continuity	340Ω	340mV	0.1mV
Diode Test	2V	34V	1mV
Resistance	34MΩ	340V	±2.0% rdg + 2 dgts
	34MΩ	100mV	±1.0% rdg + 2 dgts
	34kΩ	10mV	±2.0% rdg + 2 dgts
	34kΩ	1V	±2.0% rdg + 2 dgts
	34kΩ	10mV	±2.0% rdg + 2 dgts
	34kΩ	100mV	±2.0% rdg + 2 dgts
AC Voltage	600V	±4.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
	340V	(50/60Hz)	±2.0% rdg + 5 dgts
	34V	±4.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
	34V	±2.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
	34V	±2.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
	34V	±2.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
DC Voltage	340V	±4.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
	34V	±2.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
	34V	±2.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
	34V	±2.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
	34V	±2.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
	34V	±2.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
450V DC or AC rms	Open circuit Volts -1.2Vdc	±2.0% rdg + 5 dgts	±2.0% rdg + 5 dgts
	-0.45Vdc	±2.0% rdg + 4 dgts	±2.0% rdg + 4 dgts
		±3.0% rdg + 4 dgts	±3.0% rdg + 4 dgts
		±5.0% rdg + 5 dgts	±5.0% rdg + 5 dgts
		±3.0% rdg + 3 dgts	±3.0% rdg + 3 dgts
		±3.0% rdg + 3 dgts	±3.0% rdg + 3 dgts
450V DC or AC rms	Test current 1.0ma	Response time: 500ms	Audible indication: < 35Ω
	Response time: 500ms		
	Response time: 500ms		
	Response time: 500ms		
	Response time: 500ms		
	Response time: 500ms		