

OPERATOR'S

INSTRUCTION MANUAL

POCKET DIGITAL MULTIMETER

Modelo 9608



WARNING

**READ AND UNDERSTAND THIS MANUAL
BEFORE USING THE INSTRUMENT.**

Failure to understand and comply with the
WARNINGS and operating instructions can
result in serious or fatal injuries and/or
property damage.

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This compact digital multimeter is designed to measure AC and DC voltages, Resistance, Diode and to perform continuity checks with accuracy and ease.

Small and lightweight, with test leads wound on it's casing, this instrument will provide you many years of satisfactory service.

SAFETY RULES

- Always check to make sure that the function rotary switch is set at the proper position.
- To avoid electrical shock, use with CAUTION when measuring high voltages.
- Always disconnect the circuit under test prior to attaching test leads

- Make sure all power (AC or DC) is disconnected (OFF) when making resistance (OHMS) measurements.
- Never operate this meter unless the back cover is in place and fastened.
- Never fail to keep maximum tolerable input.

SPECIFICATIONS

GENERAL

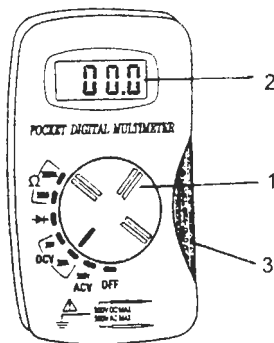
Measuring Method	Dual integration mode
Display	3.5 digit LCD
Polarity	Automatic polarity
Sampling Rate	2 - 3 times per second
Operating Temperature	0°C-40°C, <80%RH
Dimensions	70(W)x120(H)x18(D)mm
Weight	110g (Incl.battery)
Battery	12V A23. or equivalent
Accessories	Battery A23 x 1

TECHNICAL SPECIFICATIONS:

18°C to 28°C. <75%RH

FUNCTION	RANGE	ACCURACY
DCV	20/200V	±(1.2%rdg.± 5 dig.)
ACV	500V	±(2%rdg.± 9 dig.)
OHM	2000Ω/ 2000KΩ	±(1.5%rdg.± 8 dig.)
→+		Max.Open Circuit Voltage 0.8mA 3.2V

DESCRIPTION OF PANEL



1. Rotary Switch : Switch for selecting measurement functions & ranges as well as the power switch .
2. Display: 3.5 digit LCD from 0 to 1999 counts
3. Test Leads: Red test lead for positive (+) polarity, Black test lead for negative (-) polarity.

OPERATING INSTRUCTIONS

DC VOLTAGE MEASUREMENT

1. Set Rotary Switch at position 20V or 200 VDC.
If the magnitude of voltage is unknown beforehand, set the switch at highest range and then reduce until satisfactory reading is obtained.
2. Connect test leads across the source or load under measurement. The polarity of RED lead connection will be indicated at the same time as the voltage.

AC VOLTAGE MEASUREMENT

1. Set Rotary Switch to 500 VAC.
2. Connect test leads across the source or load under measurement. Read voltage value on the display.
- 3 a "HV" sign will appear on the display to remind you of high voltage measuring and **Special attention should be paid.**

RESISTANCE MEASUREMENT

1. Set Rotary Switch at 2000 Ω or 2000K Ω . position.
2. If the resistor to be measured is connected to a circuit, turn off all power and discharge all capacitors before applying test leads.

3. Connect test leads across the resistor under measurement and read resistance value on the display.

DIODE

1. Set Rotary Switch at $\rightarrow \leftarrow$ position.
2. Connect the red lead to the anode of the diode to be tested and black lead to the cathode. Read the forward voltage drop on the display in mV. If the connection is reversed, only figure "1" will be displayed. If for both forward and reverse measurement the meter reads "1", the diode is bad.

REPLACEMENT OF BATTERY

1. When the LCD display become very vague and dim that means the battery become exhausted and drop below the operation voltage.
2. Turn off the meter and remove test leads from all test circuit prior to replacing battery.
3. Remove the 2 screws on the back cover and open the case. Replace batteries with a new A23 12V battery, making sure that the proper polarity of batteries is observed.

CAUTION:

Make sure that test leads are disconnected from test circuit and the Rotary Switch is set at OFF position before opening the case.