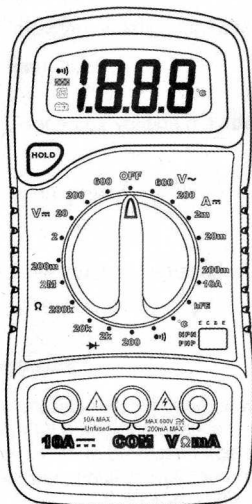


OPERATOR'S

INSTRUCTION MANUAL



DIGITAL MULTIMETER

SAFETY INFORMATION

Follow all safety and operating instructions to ensure that the meter is used safely and is kept in good operating condition. Full compliance with safety standards can be guaranteed only with test leads supplied. If necessary, they must be replaced with the type specified in this manual.

SAFETY SYMBOLS



Important safety information, refer to the operating manual.



Dangerous voltage may be present.



Earth ground



Fuse must be replaced with rating specified in the manual.

MAINTENANCE

- Before opening the case, always disconnect test leads from all energized circuits.
- For continue protection against fire : replace fuse only with the specified voltage and current ratings :
F 500mA/250V (Quick Acting)
- Never use the meter unless the back cover is in place and fastened completely.
- Do not use abrasives or solvents on the meter. To clean it using a damp cloth and mild detergent only.

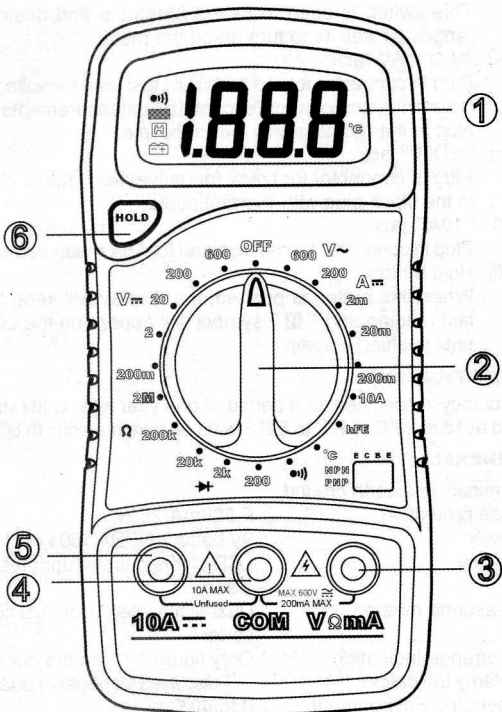
DURING USE

- Never exceed the protection limit values indicated in specifications for each range of measurement.
- When the meter is linked to measurement circuit, do not touch unused terminals.
- Never use the meter to measure voltages that might exceed 600V above earth ground.
- When the value scale to be measured is unknown beforehand, set the range selector at the highest position.
- Before rotating the range selector to change functions, disconnect test leads from the circuit under test.
- When carrying out measurements on TV or switching power circuits always remember that there may be high amplitude voltage pulses at test points, which can damage the meter.
- Always be careful when working with voltages above 60V dc or 30V ac rms. Keep fingers behind the probe barriers while measuring.
- Before attempting to insert transistors for testing, always be sure that test leads have been disconnected from any measurement circuits.
- Components should not be connected to the hFE socket when making voltage measurements with test leads.
- Never perform resistance measurements on live circuits.

GENERAL DESCRIPTION

The meter is a handheld 3 1/2 digital multimeter for measuring DC and AC voltage, DC current, Resistance, Diode, Transistor, Temperature and Continuity Test with battery operated.

FRONT PANEL



FRONT PANEL DESCRIPTION

- ① Display
3 1/2 digit, 7 segment, 15mm high LCD.
- ② Rotary switch
This switch is used to select functions and desired ranges as well as to turn on/off the meter.
- ③ "V Ω mA" jack
Plug in connector for red (positive) test lead for voltage, resistance and current (except 10A) measurements or plug in the red plug with thermocouple.
- ④ "COM" jack
Plug in connector for black (negative) test lead or plug in the black plug with thermocouple.
- ⑤ "10A" jack
Plug in connector for red test lead for 10A measurement.
- ⑥ Hold button
When this button is pushed, the display will keep the last reading and "H" symbol will appear on the LCD until pushing it again.

SPECIFICATIONS

Accuracy is specified for a period of one year after calibration and at 18 to 28°C (64°F to 82°F) with relative humidity to 80%.

GENERAL

terminals and earth ground

Fuse protection	: F 500mA/250V
Power	: 9V battery, NEDA 1604 or 6F22
Display	: LCD, 1999 counts, updates 2-3/sec.
Measuring method	: Dual-slope integration A/D converter
Overrange Indication	: Only figure "1" on the display
Polarity indication	: "-" displayed for negative polarity
Operating Environment	: 0 to 40°C
Storage temperature	: -10°C to 50°C

