

# Digital Multimeter



## Description

This model is digital multimeter, newly designed to offer users better performance and higher safety rating. Total over-load protection and unique structural design make it new type of multimeter with high performance / price ratio and a best choice for electricians to use in electrical maintenance and repair

## Applications

An ideal tool for equipment testing, maintenance and repair widely needed in electronics, electric power, schools, metallurgy, communications, manufacturing, petroleum, national defence, chemical industry, etc.

## Features:

- True RMS for the whole series;
- Measure signals with varied frequency (VFC)
- Measure large capacitance up to 100mF
- Optional AC/DC 60A current clamps in different models to measure current up to 60A(1mv=1A)
- NCV designed for the whole series, a necessity for electricians
- AA 1.5V × 2 cells, easy for users to purchase and replace
- Soft rubber holster is easy to stand 2m drop
- Optional magnetic hanging strap offered to facilitate tests in special location
- Fast to replace fuse, just by opening battery cover
- Reliable with use of internal 2PC fuse with high-breaking capacity
- Protection against 600V input/1 minute from disconnection
- Safety Rating: CAT III 600V
- Display Count : 6,000
- Auto Range
- Manual Range
- True RMS
- Bandwidth : 45Hz - 1kHz
- V.F.C
- Duty Cycle : 0.1% to 99.9%
- Diode test : Around 3V
- NCV
- Battery Test : 1.5V / 9V
- Auto Power Off : Around 15 Minutes
- Continuity Buzzer
- Low Battery Indication :  $\leq 2.5V$
- Data Hold
- Relative Mode
- MAX/MIN
- LCD Backlight
- Input Protection : 600Vrms
- Input Impedance for DCV : 1G $\Omega$  Max.



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## Specifications

	Range	Best Accuracy
DC Voltage (V)	60mV/600mV/6V/60V/600V	$\pm(0.5\%+2)$
AC Voltage (V)	60mV/600mV/6V/60V/600V	$\pm(0.8\%+3)$
DC Current (A)	600 $\mu$ A/6000 $\mu$ A/60mA/600mA/6A/10A	$\pm(0.7\%+2)$
AC Current (A)	600 $\mu$ A/6000 $\mu$ A/60mA/600mA/6A/10A	$\pm(1\%+3)$
Resistance ( $\Omega$ )	600 $\Omega$ /6k $\Omega$ /60k $\Omega$ /600k $\Omega$ /6M $\Omega$ /60M $\Omega$	$\pm(0.8\%+2)$
Capacitance (F)	9.999nF/99.99nF/999.9nF/9.999 $\mu$ F/99.99 $\mu$ F/999.9 $\mu$ F/9.999mF/99.99mF	$\pm(4.0\%+5)$
Frequency (Hz)	10Hz - 10MHz	$\pm(0.1\%+4)$
Temperature ( $^{\circ}$ C)	-40 $^{\circ}$ C to +1000 $^{\circ}$ C	$\pm(1.0\%+3)$
Temperature ( $^{\circ}$ F)	-40 $^{\circ}$ F to +1832 $^{\circ}$ F	$\pm(1.5\%+5)$

## General Characteristics

Power	AA1.5 $\times$ 2
LCD Size	58mm $\times$ 36mm
Product Colour	Orange and Grey
Product Net Weight	370g
Product Size	175mm $\times$ 81mm $\times$ 48.5mm
Standard Accessories	1.5V AA Cells, Test Leads, Temperature Probe
Optional Accessories	Current Sensor AC/DC 40A

## Part Number Table

Description	Part Number
Digital Multimeter, Handheld, 3-3/4 Digit	72-7780

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