

# Intelligent Digital Multimeter



## Description

The digital multimeter is a 40,000 counts and 4-3/4 digits with steady operation, fashionable structure and auto ranging instrument. It can measure AC voltage and current, DC voltage and current, resistance, capacitance, temperature, frequency, diodes, continuity, 4 to 20mA loop, Max/Min, relative mode and also has data store, data recall, AC true RMS, AC+DC, low battery display, double display backlight, date hold, automatic power off and full overload protection.

## Features

- Display Count : 40,000
- Auto Range
- True RMS
- Bandwidth (Hz) : 100kHz
- Duty Cycle : 10% to 90% - [Accuracy  $\pm(1\%+30)$ ]
- Diode Test
- Auto Power Off
- Continuity Buzzer
- Low Battery Indication
- Data Hold
- Relative Mode
- MAX/MIN
- Data Logging : 9,999
- USB Interface
- Double Backlight
- Analogue Bar Graph
- Full Icon Display
- Setup
- Input Impedance for DCV - DC 400mV : Around 2.5G $\Omega$ , All Other Range : 10M $\Omega$
- 4 - 20mA Loop : 0 to 100% - [Accuracy  $\pm(1\%+50)$ ]
- Fused 10A
- Current Measurement Alarm
- Voltage & Current AC+DC Measurement

## Specifications

	Range	Best Accuracy
DC Voltage (V)	400mV/4V/40V/400V/1000V	$\pm(0.025\%+5)$
AC Voltage (V)	4V/40V/400V/1000V	$\pm(0.4\%+30)$
DC Current (A)	400 $\mu$ A/4000 $\mu$ A/40mA/400mA/10A	$\pm (0.1\%+15)$
AC Current (A)	400 $\mu$ A/4000 $\mu$ A/40mA/400mA/10A	$\pm (0.7\%+15)$
Resistance ( $\Omega$ )	400 $\Omega$ /4k $\Omega$ /40k $\Omega$ /400k $\Omega$ /4M $\Omega$ /40M $\Omega$	$\pm(0.3\%+8)$
Capacitance (F)	40nF/400nF/4 $\mu$ F/40 $\mu$ F/400 $\mu$ F/4mF/40mF	$\pm(1\%+20)$
Frequency (Hz)	40Hz - 400MHz	$\pm(0.01\%+8)$
Temperature ( $^{\circ}$ C)	-40 $^{\circ}$ C to 1,000 $^{\circ}$ C	$\pm(1\%+30)$
Temperature ( $^{\circ}$ F)	-40 $^{\circ}$ F to 1,832 $^{\circ}$ F	$\pm(1.5\%+50)$



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## General Characteristics

Power	9V Battery (6F22)
LCD Size	73mm × 50mm
Product Colour	Orange and Grey
Product Net Weight	384g
Product Size	200mm × 93mm × 40mm
Safety Rating	CAT III 1000V
	CAT IV 600V

Accessories	Qty.	Note
Operating Manual	1 piece	-
Test Leads	1 pair	Leads length: 900mm, Rod length: 128mm Tip length: 16.8mm Safety level: CAT III 1000V/CAT IV 600V 10A
Temp Probe	1 piece	K-Type (nickel chromium~nickel silicon) Point Contact Temperature Probe (for temperatures < 230°C)
Alligator Clip	1 pair	Neutral, Colour: Red + black
Alligator clip short test leads	1 pair	Core: 19/20, Length: 110-130mm
USB interface cable	1 piece	USB/AM+Stripping 5mm; UL2725 28AWG+26AWG
Battery	1 piece	9V Alkaline Battery(1604A), Non-rechargeable, replaceable
Cloth bag	1 piece	-

## Part Number Table

Description	Part Number
Multimeter, Digital USB, 40,000 Counts	72-7732A

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