

# Intelligent Digital Multimeter **multicomp**PRO



## Description

The digital multimeter is a 20,000 counts and 4-1/2 digits with steady operation. The meter can measure AC voltage and current, DC voltage and current, resistance, capacitance, temperature frequency, diodes, continuity, 4 to 20mA loop, Max/Min, relative mode but also has data store, data recall, AC true RMS, AC+DC, low battery display, double display backlight, data hold, automatic power off and full overload protection.

## Features

- Display Count : 20,000
- 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 : 100
- USB Interface
- Double Backlight
- Analogue Bar Graph
- Full Icon Display
- Setup
- Input Impedance for DCV - DC 200mV : 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)              | 200mV/2V/20V/200V/1000V   | $\pm(0.05\%+5)$   |
| AC Voltage (V)              | 2V/20V/200V/1000V   | $\pm(0.6\%+40)$   |
| DC Current (A)              | 200 $\mu$ A/2000 $\mu$ A/20mA/200mA/10A   | $\pm (0.15\%+20)$ |
| AC Current (A)              | 200 $\mu$ A/2000 $\mu$ A/20mA/200mA/10A   | $\pm (0.8\%+15)$  |
| Resistance ( $\Omega$ )     | 200 $\Omega$ /2k $\Omega$ /20k $\Omega$ /200k $\Omega$ /2M $\Omega$ /20M $\Omega$ | $\pm(0.4\%+20)$   |
| Capacitance (F)             | 20nF/200nF/2 $\mu$ F/20 $\mu$ F/200 $\mu$ F/2mF/20mF                              | $\pm(1.2\%+20)$   |
| Frequency (Hz)              | 20Hz-200MHz   | $\pm(0.1\%+15)$   |
| 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     | Green 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<br>Tip length: 16.8mm<br>Safety level: CAT III 1000V/CAT IV 600V 10A |
| Temp Probe                      | 1 piece | K-Type (nickel chromium~nickel silicon) Point Contact<br>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),<br>Non-rechargeable, replaceable  |
| Cloth bag                       | 1 piece | -   |

## Part Number Table

| Description                           | Part Number |
|---------------------------------------|-------------|
| Digital Multimeter, USB 20,000 Counts | 72-7730A    |

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