

# 600V AC/DC Multimeter True RMS



## Technical Datasheet



### Features:

- 4000 Count Digital Display
- 10A AC/DC
- 600V AC/DC
- -18°C to 1000°C Temperature Range
- 100mF Capacitance
- 99.9mF Frequency
- 40MΩ Resistance
- Non-contact Voltage Detection (NCV)

### MT876

The MT876 is a compact True RMS Multimeter supplied in a double moulded rubber housing, designed to withstand the rugged environment of a work site and has been drop tested up to 2 meters. This is an auto ranging multimeter with the option of a manual override, and has a 4000 count display with a back light. There is a built-in tilt stand for hands free convenience as well as low battery indication and auto power off. This meter meets the International Standard IEC 61010-1 CAT III 600V, and is ideally suited for everyday use by electricians, electronics technicians, the air conditioning industry and DIY users.

### Specifications:

| FUNCTION            | FUNCTION                              | RANGE              |
|---------------------|---------------------------------------|--------------------|
| DC Current          | Range                                 | 400μA - 10A        |
|                     | Resolution                            | 0.1μA - 0.01A      |
|                     | Accuracy                              | ±(1.0% + 5 Digits) |
| AC True RMS Current | Range                                 | 400μA - 10A        |
|                     | Resolution                            | 0.1μA - 0.01A      |
|                     | Accuracy                              | ±(1.0% + 5 Digits) |
| DC Voltage          | Range                                 | 400V - 600V        |
|                     | Resolution                            | 0.1mV - 1V         |
|                     | Accuracy                              | ±(0.5% + 8 Digits) |
| AC True RMS Voltage | Range                                 | 4V - 600V          |
|                     | Resolution                            | 0.001V - 1V        |
|                     | Accuracy                              | ±(1.2% + 5 Digits) |
| Resistance          | Range                                 | 400Ω - 40MΩ        |
|                     | Resolution                            | 0.1Ω - 0.01MΩ      |
|                     | Accuracy                              | ±(1.2% + 5 Digits) |
| Capacitance         | Range                                 | 99.99nF - 99.9mF   |
|                     | Resolution                            | 0.01nF - 0.01mF    |
|                     | Accuracy                              | ±(3.5% + 5 Digits) |
| Frequency           | Range                                 | 9.999Hz - 9.999MHz |
|                     | Resolution                            | 0.001Hz - 0.001MHz |
|                     | Accuracy                              | ±(1.2% + 5 Digits) |
| Temperature         | Range                                 | -18°C - 1000°C     |
|                     | Resolution                            | 1°C                |
|                     | Accuracy                              | ±(1.5% + 5°C)      |
| Duty Cycle          | Range                                 | 0.5% - 99.9%       |
|                     | Resolution                            | 0.1%               |
|                     | Accuracy                              | ±(1.2% + 5 Digits) |
| Continuity          | Buzzer sounds at approx. 50Ω          |                    |
| Diode               | Current 1mA, Voltage 3V DC            |                    |
| Min/Max             | Yes                                   |                    |
| Data Hold           | Yes                                   |                    |
| Dimensions          | 154 x 74 x 43mm                       |                    |
| Weight              | 255g                                  |                    |
| Batteries           | 2 x AAA                               |                    |
| Accessories         | Test Leads & Type-K Temperature Probe |                    |

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