



## 1000V Multimeter with HVAC functionality



**600V**  
CAT III

**1000V**  
CAT II

Designed by us, made by us

### Functions

- True RMS
- 1000V AC/DC
- 10A AC/DC
- Resistance 40MΩ
- Diode test
- Audible continuity
- Capacitance 9999μF
- Temperature -49° to 1112°F (-45° to 600°C)
- Microamps
- Milliamps

### Features

- Auto ranging
- Auto power off
- Min/Max
- Hold
- 1 ms Fast response Min/Max
- 6' drop protection
- IP42 ingress protection
- Low battery indicator
- Rubber boot w/ kick stand
- Test lead holders
- High resolution backlit display
- Fused test lead inputs
- 2-Year limited warranty

### ⚠ WARNING

The display will indicate "Lead" if the test lead input does not match the selected dial position.



### Includes

- Manual
- Batteries (AA) 2
- CAT III test leads
- Alligator clips
- Pouch
- Thermocouple
- Fast Fuse: 600ma/1000V and 11A/100V

### Applications

- Current measurements
- Measure electrical loads
- Motor or line current
- Measure circuit breakers
- Circuit continuity or specified resistance
- Control voltage or system board voltage checks
- Diode test malfunction/ unbroken paths
- Ambient or surface temperatures





## Specifications

### AC VOLTS

| RANGES        | ACCURACY                           | RESOLUTION   | OVERLOAD PROTECTION |
|---------------|------------------------------------|--------------|---------------------|
| 6 mV TO 1000V | 45Hz to 500Hz<br>500Hz to 1kHz     | 0.1 mV to 1V | 1000V               |
|               | ±(1.0% +3 dgts)<br>±(2.0% +3 dgts) |              |                     |

Minimum sensitivity: 0.5V AC (auto selection mode)

### ACmV

| RANGES | ACCURACY                           | RESOLUTION | OVERLOAD PROTECTION |
|--------|------------------------------------|------------|---------------------|
| 6mV    | ±(1.0% +3 dgts)<br>±(2.0% +3 dgts) | 0.1mV      | 1000V               |

### DC VOLTS

| RANGES        | ACCURACY        | RESOLUTION   | OVERLOAD PROTECTION |
|---------------|-----------------|--------------|---------------------|
| 6 mV to 1000V | ±(0.5% +3 dgts) | 0.1 mV to 1V | 1000V               |

Minimum sensitivity: 0.5V DC (auto selection mode)

### DCmV

| RANGES | ACCURACY        | RESOLUTION | OVERLOAD PROTECTION |
|--------|-----------------|------------|---------------------|
| 6 mV   | ±(0.5% +3 dgts) | 0.1 mV     | 1000V               |

### AC AMPS

| RANGES    | ACCURACY        | RESOLUTION      | OVERLOAD PROTECTION |
|-----------|-----------------|-----------------|---------------------|
| 6A to 10A | ±(1.5% +5 dgts) | 0.001A to 0.01A | 11A/1000V Fast fuse |

Minimum sensitivity: 50µA AC (auto selection mode only)  
Frequency bandwidth: 500Hz

### ACmA

| RANGES         | ACCURACY        | RESOLUTION     | OVERLOAD PROTECTION    |
|----------------|-----------------|----------------|------------------------|
| 600µA to 400mA | ±(1.2% +5 dgts) | 0.1µA to 0.1mA | 600mA /1000V Fast Fuse |

### ACµA

| RANGES         | ACCURACY        | RESOLUTION     | OVERLOAD PROTECTION    |
|----------------|-----------------|----------------|------------------------|
| 600µA to 400mA | ±(1.2% +5 dgts) | 0.1µA to 0.1mA | 600mA /1000V Fast Fuse |

### DC AMPS

| RANGES    | ACCURACY        | RESOLUTION      | OVERLOAD PROTECTION |
|-----------|-----------------|-----------------|---------------------|
| 6A to 10A | ±(1.2% +5 dgts) | 0.001A to 0.01A | 11A/1000V Fast fuse |

Minimum sensitivity: 50µA DC (auto selection mode only)

### DCmA

| RANGES         | ACCURACY        | RESOLUTION     | OVERLOAD PROTECTION    |
|----------------|-----------------|----------------|------------------------|
| 600µA to 400mA | ±(1.0% +3 dgts) | 0.1µA to 0.1mA | 600mA /1000V Fast Fuse |

### DCµA

| RANGES         | ACCURACY        | RESOLUTION     | OVERLOAD PROTECTION    |
|----------------|-----------------|----------------|------------------------|
| 600µA to 400mA | ±(1.0% +3 dgts) | 0.1µA to 0.1mA | 600mA /1000V Fast Fuse |

### RESISTANCE

| RANGES      | ACCURACY        | RESOLUTION      | OVERLOAD PROTECTION |
|-------------|-----------------|-----------------|---------------------|
| 600Ω to 6MΩ | ±(0.8% +5 dgts) | 0.1Ω to 0.001MΩ | 600V                |
| 40MΩ        | ±(1.5% +5 dgts) | 0.01MΩ          |                     |

### CAPACITANCE

| RANGES         | ACCURACY        | RESOLUTION    | OVERLOAD PROTECTION |
|----------------|-----------------|---------------|---------------------|
| 10nF to 9999µF | ±(3.0% +5 dgts) | 0.01nF to 1µF | 600V                |

|            | OPEN CIRCUIT VOLTAGE | AUDIBLE THRESHOLD | OVERLOAD PROTECTION |
|------------|----------------------|-------------------|---------------------|
| CONTINUITY | Approx.: <1.0V       | Approx.: 40Ω      | 600V                |
| DIODE      | Approx.: <3.0V DC    |                   |                     |

### TEMPERATURE

|    | RANGES          | ACCURACY       | RESOLUTION | OVERLOAD PROTECTION |
|----|-----------------|----------------|------------|---------------------|
| °F | -32° to 999°F   | ±(1.5% +3.6°F) | 0.1°F      | 600V                |
|    | 1000° to 2462°F | ±(1.5% +3.0°F) | 1°F        |                     |
| °C | -200° to 999°C  | ±(1.5% +2.0°C) | 0.1°C      |                     |
|    | 1000° to 1350°C | ±(1.5% +2.0°C) | 1°C        |                     |

