



UTLDM1

Features:

- ETL Listed IEC61010-1
- CAT III 600V
- 1 Year Limited Warranty

Functions:

- DC Voltage 2V ~ 600V
- AC Voltage 200V ~ 600V
- DC Current 20mA ~ 10A
- Resistance
- Diode
- Temperature -4°F ~ 1832°F
- Continuity < 60Ω
- Battery test 1.5V, 9V, 12V



General Specifications

- Operating Category: 600V CAT III, pollution degree: 2.
- Operating Elevation (< 2000 m)
- Operating Conditions: 0~40°C, <80% RH (do not use meter when temperature <10°C).
- Storage Conditions: -10~60°C, <70% RH (remove the battery).
- Temperature Coefficient: 1 × Accuracy/°C (<18°C or >28°C).
- Maximum Voltage between measurement end and ground: 600V DC or 600V AC RMS.
- Fuse protection: mA Grade: fuse F400mA/600V and 10A Grade: fuse F10A/600V
- Sampling rate: about 3 times/second.
- Display: 3 1/2 digits 2,000 count LCD display.
- Power supply: 1 x 9V battery.

Includes

- Digital Multimeter
- Test Leads
- Thermocouple
- 9V Battery
- Manual

Specifications

DC Voltage Measurement

Range	Resolution	Accuracy
2V	1mV	± (0.5% + 2 dgts)
20V	10mV	
200V	100mV	
600V	1V	± (0.8% + 5 dgts)

Overload protection: 600V RMS

AC Voltage Measurement

Range	Resolution	Accuracy
200V	100mV	± (1.0% + 10 dgts)
600V	1V	

Overload protection: 600V RMS

DC Current Measurement

Range	Resolution	Accuracy
20mA	0.01mA	± (1.0% + 5 dgts)
200mA	0.1mA	
10A	0.01A	± (2.0% + 8 dgts)

mA, µA Overload Protection: 250V RMS

10A Overload Protection: 600V RMS

Temperature

Range	Resolution	Accuracy
-20°C to 1000°C	1°C	± (2.0% + 2 dgts)
-4°F to 1832°F	1°F	± (2.0% + 4 dgts)

Resistance Measurement

Range	Resolution	Accuracy
200Ω	0.1Ω	± (0.8% + 3 dgts)
2kΩ	1Ω	
20kΩ	10Ω	
200kΩ	100Ω	
2MΩ	1kΩ	

Overload protection: 250V RMS

Diode Test

Range	Max. Test Current	Open Circuit Voltage
0.5 to 0.7V	1.2mA	2.7V

Battery Test

Range	Resolution	Test Current
1.5V	0.001V	40mA
9V	0.01V	10mA
12V	0.01V	10mA

Overload protection: 250V RMS

Continuity Test

Overload Protection	Open Circuit Voltage
250V RMS	2.7V

