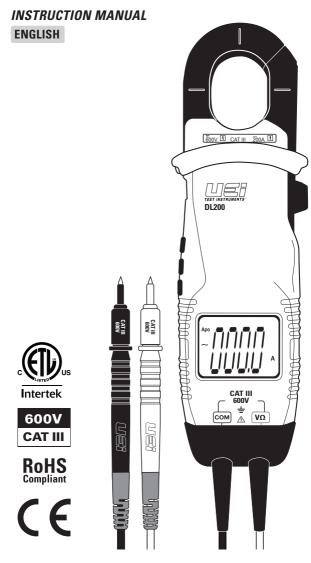


CATIII Clamp Meter and Voltage Tester



1-800-547-5740 www.ueitest.com • email: info@ueitest.com

WARRANTY

The DL200 is warranted to be free from defects in materials and workmanship for a period of two years from the date of purchase. If within the warranty period your instrument should become inoperative from such defects, the unit will be repaired or replaced at UEi's option. This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, tampering, accident, misuse, abuse, neglect or improper maintenance. Batteries and consequential damage resulting from failed batteries are not covered by warranty.

Any implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the express warranty. UEi shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claims for such damages, expenses, or economic loss.

claim or claims for such damage, expenses or economic loss.

A purchase receipt or other proof of original purchase date will be required before warranty repairs will be rendered. Instruments out of warranty will be

repaired (when repairable) for a service charge
For more information on warranty and service, contact:

www.ueitest.com • Email: info@ueitest.com 1-800-547-5740

This warranty gives you specific legal rights. You may also have other rights, which vary from state to state.

DISPOSAL



⚠ **CAUTION:** This symbol indicates that equipment and its accessories shall be subject to separate collection and correct disposal.

CLEANING

Periodically clean your meter's case using a damp cloth. DO NOT use abrasive, flammable liquids, cleaning solvents, or strong detergents as they may damage the finish, impair safety, or affect the reliability of the structural components.

STORAGE

Remove the batteries when instrument is not in use for a prolonged period of time.

Do not expose to high temperatures or humidity. After a period of storage in extreme conditions exceeding the limits mentioned in the General Specifications section, allow the instrument to return to normal operating conditions before using it.

FEATURES

- 600V AC/DC
- 200A AC • 2000Ω Resistance
- Audible continuity
- Data hold
- Auto ranging
- Low battery indicator
- Auto power off
- Permanent test leads · Storage for test leads
- **Auto calibration**
- Latches for battery compartment

GENERAL SPECIFICATIONS

- Operating Temperature: 32° to 104°F (0° to 40°C) Storage Temperature 14° to 122°F (-10° to 50°C)
- Operating Humidity: <75%
- Operating Altitude: 6,562ft (2,000m)
- Pollution Degree: 2
- Display: 3 1/2" digits 2000 count
- Refresh Rate: 3/sec • Over-range: "OL" is displayed
- Dimensions: 8.66" X 2.72" X 1.56"
- Item Weight: 11.9 oz
- Calibration: Recommended Annually • CAT Rating: CATIII 600V
- Certifications: cETLus 3rd Edition, CATIII 600V, CE Conformity, IP41. RoHS Compliant, 6' Drop Protection, IEC 61010-1 3rd Edition
- Battery Type: (AAA) X 2
- Accuracy: ± (% of reading + # of least significant digits)

IMPORTANT SAFETY WARNINGS

⚠ WARNING

Read entire Safety Notes section regarding potential hazard and proper instructions before using this meter. In this manual the word "WARNING" is used to indicate conditions or actions that may pose physical hazards to the user. The word "CAUTION" is used to indicate conditions or actions that may damage this instrument.

⚠ WARNING To ensure safe operation and service of the tester, follow these instructions.

Failure to observe these warnings can result in severe injury or death.

⚠ WARNING

Before each use, verify meter operation by measuring a known voltage or current.

- Never use the meter on a circuit with voltages that exceed the category based rating of this meter.
- Do not use this meter during electrical storms or in wet weather.
- Do not use the meter or test leads if they appear damaged. Always grip the leads behind the finger guards molded into the probe.
- Use caution when working with voltages above 60V DC or 25V AC RMS.
- Such voltages pose shock hazards.
- To avoid false readings that can lead to electrical shock, replace batteries if a low battery indicator appears.
- Unless measuring voltage or current, shut off and lockout power before measuring resistance or capacitance.
- Always adhere to national and local safety codes. Use proper personal protective equipment (PPE) to prevent shock and arc blast injury where
- hazardous live conductors are exposed. Always turn off power to a circuit or assembly under test before cutting, unsoldering or breaking the current path. Even small amounts or current
- can be dangerous. Always disconnect the live test lead before disconnecting the common test lead from the circuit.
- In the event of electrical shock, ALWAYS bring the victim to the emergency room for evaluation, regardless of victim's apparent recovery. Electrical
- shock can cause unstable heart rhythms that may need medical attention. If any of the following occur during testing, turn off the power source to
- the circuit being tested: arching, flame, smoke, extreme heat, smell of burning materials or discoloration/melting of components. ⚠ WARNING

Higher voltages and currents require greater awareness of physical safety

hazards. Set meter to desired function prior to applying test leads to a live circuit. If an erroneous reading is observed, disconnect test leads immediately, recheck all settings and connections before testing again.

⚠ WARNING This meter is designed for trade professionals who are familiar with the

hazards of their trade. Observe all recommended safety procedures that include proper lock-out utilization and use of personal protective equipment that includes safety glasses, gloves and flame resistant clothing.

SYMBOLS

~	AC (Alternating current)	=	DC (Direct current)
≂	AC/DC	_	Polarity
OL	Overload: Range Exceeded	Аро	Auto power off active
4	Low Battery	HOLD	Hold/Capture Value
V	Voltage	Α	Amperage
V Ω	Voltage Ohms/Resistance	A ***11)	Amperage Continuity
_	- · · 3 ·		

CATEGORY DEFINITIONS

4

Safe for disconnect from

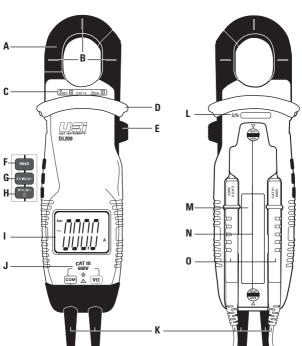
live conductors

Double Insulation

(Protection to Class II)

Measurement Category	Short-Curcuit (typical) kAª	Location in the building installation
II	< 10	Circuits connected to mains socket outlets and similar points in the MAINS installation
III	< 50	Mains distributions parts of the building
IV	> 50	Source of the mains installation in the building

OVERVIEW



- A. Clamp: Measure inductive AC current. Opens to 0.76" (19.10mm).
- B. Conductor Alignment Marks: Used to aid the visual alignment of a conductor when measuring inductive amperage. Greatest accuracy is achieved when the conductor inside the clamp is centered at the intersection of these marks.
- C. Category Max Indicator: Maximum CAT Rating for Clamp.
- D. Hand Guide: Used as a point of reference for the operator's safety.
- E. Clamp Lever: Opens and closes current clamp. Do not allow fingers or objects to become pinched in the clamp as it closes.
 - A CAUTION: When sliding the clamp lever, be careful not to inadvertently press any button when gripping the meter. That will place the meter in a mode that was not desired.

Hold Button:

- Press once to enable Hold. Press again to return to live readings. Captures present value.
- Press and hold the **Hold button** when meter is in Hold mode to disable Auto power off mode. Press and hold again to enable Auto power off mode.
- When powering on the meter using this button, the meter will default to last mode used when meter was powered off.

G. Ohms/Continuity Button:

- Ohms: Press to enter Ohms measurement mode.
- Continuity: Press again to enter Continuity measurement mode.
- AC Amps: Press again to enter AC Amps measurement mode.

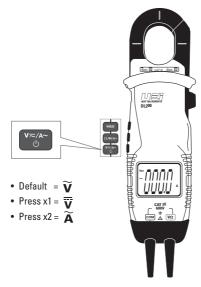
H. AC/DC Volts Button

- AC Volts: Press to enter AC Volts measurement mode.
- DC Volts: Press again to enter DC Volts measurement mode.
- AC Amps: Press again to enter AC Amps measurement mode.
- I. Display
- J. Category Max Indicator: Maximum CAT Rating for test lead connections to meter. K. Test Leads: Permanent test leads.
- Multifunction test lead used for measuring: AC or DC volts, Resistance

and Continuity.

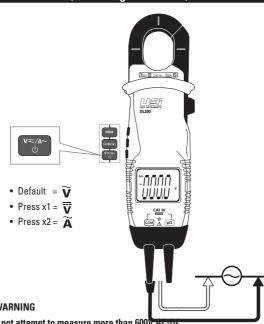
- L. Serial Number M. Battery Cover: Easy access for replacing batteries.
- N. Battery Cover Latches: Convenient, quick opening.
- **0. Test lead holders**: For storing test leads when not in use.

Auto On/APO



- Press any button to power on meter.
- Press and hold AC/DC Volts/Power button to power off meter.
- Auto power off (Apo) after 10 minutes of inactivity.
- Press and hold the Hold button when meter is in Hold mode to disable Auto power off mode. Press and hold again to enable Auto power off mode.

AC/DC Voltage: <600V AC/DC



⚠ WARNING

- Do not attempt to measure more than 600
- Keep hands below line when measuring high current levels.
- Do not exceed 600 volts AC or DC RMS on either the common or multifunction test leads as measured from earth ground.

Select AC or DC Voltage.

Features:



AC Volts			
Ranges	Resolution	Accuracy	Overload Protection
1V to 199.9V	0.1V	±(1.5% + 5 dgts)	600V
200V to 600V	1V	±(1.5% + 5 ugis)	0000

DC Volts

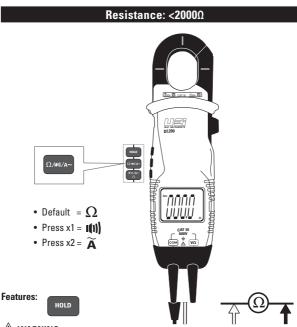
Resolution	Accuracy	Overload Protection
0.01V		
0.1V	±(1.5% + 3 dgts)	600V
1V		
	0.01V 0.1V	0.01V 0.1V ±(1.5% + 3 dgts)

Minimum measurement AC mV: 500mV/DC mV:40mV Response time (input; AC 100V): 1 sec Max displayed value: 660V AC/DC

High warning symbol input voltage > AC30V/ > DC30V Meter beeps input voltage > AC 601V/ > DC 601V

Input impedance: 10MΩ

Frequency Range: sine wave: 45Hz to 400Hz Overload protection: 600V AC RMS or 600V DC

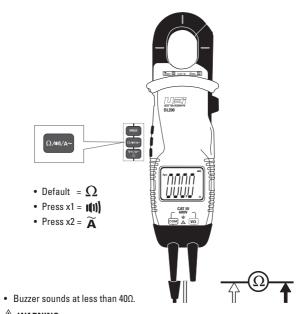


⚠ WARNING Do not measure resistance on a live circuit.

Resistance				
	Ranges	Resolution	Accuracy	Overload Protection
	200Ω to 2000Ω	0.1Ω to 1Ω	±(0.8% + 4 dats)	600V

Max displayed value: 2200Ω Overload protection: 600V AC RMS or 600V DC

Continuity



⚠ WARNING

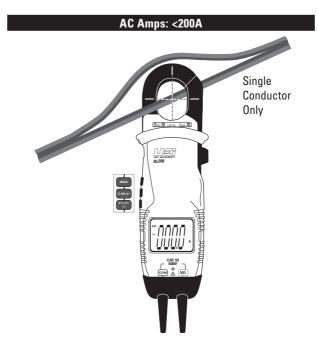
Do not measure resistance on a live circuit.

Features:



Continuity

Continuity		
Audible threshold	Response time	Overload Protection
Approx : < 40Ω	50ms	600V



- Center wire in conductor alignment marks for best accuracy.
- · Opposing currents cancel (use line-splitter when necessary).

⚠ WARNING

- Keep hands below guard when measuring high current levels.
- Do not attempt to measure more than 200A AC.

Features:



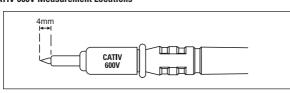
AC Amps – Jaw Input

Ranges Re	esolution	Accuracy	Overload Protection
1A to 200A 0.	1A	±(2.0% + 5 dgts)	600V

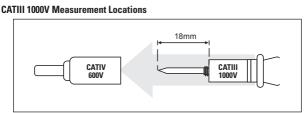
Frequency Range: sine wave: 45Hz to 400Hz Maximum Displayed value: AC220A Minimum Displayed value: AC 500mA

Test Lead Notes

CATIV 600V Measurement Locations

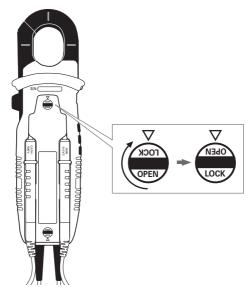


The DL200 is CATIII rated to IEC 61010-1 3rd edition standards. Do not attempt to measure in locations that requires a CATIV rated meter. Remove the CATIV test lead caps and use the CATIII 1000V test lead measurement locations.



CATIV shields must be removed for CATII and CATIII locations.

Battery Replacement



- When the batteries are too low for safe operation, the Low Battery indicator will display.
- Rotate latches until Unlock symbols are aligned with arrows. Remove battery cover.
- Replace the old batteries with 2 new (AAA) batteries.
- Replace the battery cover.
- Rotate latches until the lock symbols are aligned with arrows.