ULTRA-SLIM
Auto-Ranging Multimeter

DMM-8308

SKU# 1012060354

Commercial Electric™



Your ideal trouble-shooting tools in daily use.

The Commercial Electric Ultra-slim Auto-ranging Multimeter DMM-8308 is a True RMS Multimeter designed to perfectly troubleshoot and repair electrical and electronic systems, combining reliability and accuracy. Its True RMS technology ensures accurate AC voltage and current readings in complex electrical environments filled with non-sinusoidal signals, harmonics, and variable speed drives.

Additionally, the DMM-8308 features an extra-large LCD display, making it easier to read measurements at a glance. This user-friendly interface, combined with its rugged and robust housing, convenient meter stand, and ultra-slim design, makes it an ideal tool for everyday troubleshooting and repair tasks.

EASE TO USE, RELIABILITY AND ACCURACY

Commercial Electric DMM-8308 digital multimeter features a rugged and robust housing, ensuring durable use in various challenging environments. Equipped with a strong meter stand, it allows you to free your hands and conveniently read the measuring data during the measurement process. Additionally, the ultra-slim design makes it easy to carry and store. It is your ideal meter for everyday troubleshooting.

ACCURACY WITH TRUE RMS TECHNOLOGY

Provides accurate voltage and current data when measuring complex AC signals.

CONVENIENT TEMPERATURE MEASUREMENTS AT YOUR FINGERTIPS

Built-in temperature measurement function conveniently allows youto take temperature measuring without carrying separate instruments.



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Product Layout



PRODUCT SPECIFICATIONS

DMM-8308

Function	Measuring Range	Resolution	Accuracy
DC VOLTAGE	400.0mV	0.1mV	±(0.5% of rdg + 5 digits)
	4.000V	0.001V	
	40.00V	0.01V	
	400.0V	0.1 V	±(0.8% of rdg + 3 digits)
	600V	1V	±(1.0% of rdg + 3 digits)
	Input Impedance: 10MΩ Maximum Input Voltage: 600V DC		
AC VOLTAGE	4.000V	0.001V	±(1.0% of rdg + 3 digits)
	40.00V	0.01V	
	400.0V	0.1V	
	600V	1V	±(1.2% of rdg + 5 digits)
	Input Impedance: 10MΩ Maximum Input Voltage: 600V AC RMS Frequency Range: 50 to 60Hz; All AC Voltage ranges are specified from 5% of range to 100% of range.		
VFD	600V	1V	±(4% of reading + 3 digits)
DC CURRENT	400.0μA	0.1μA	±(1.0% of rdg + 8 digits)
	4000μA	1μA	
	40.00mA	0.01mA	
	400.0mA	0.1mA	
	4.000A	0.001A	±(1.0% of rdg + 5 digits)
	10.00A	0.01A	
	Overload Protection: F: 10A/ 600V, F: 500mA/ 600V. Maximum Input: μA/mA setting: 400mA DC 10A setting: 10A DC (Max 30 sec. every 15 min) When measured current is greater than 2A, the continuous measurement time cannot be more than 2 minutes. Disconnect the current and wait 10 minutes before you take another measurement.		
AC CURRENT	400.0μA	0.1μA	±(1.0% of rdg + 5 digits)
	4000μA	1μA	
	40.00mA	0.01mA	
	400.0mA	0.1mA	
	4.000A	0.001A	±(1.2% of rdg + 5 digits)
	10.00A	0.01A	
	Overload Protection: F: 10A / 600V, F: 500mA / 600V Maximum Input: μA/mA setting: 400mA AC RMS 10A setting: 10A AC RMS (Max 30 sec. every 15 min) Frequency Range: 50 to 60Hz. All AC current ranges are specified from 5% of range to 100% of range. For measurements greater than 2A, the continuous measurement time cannot be more than 2 minutes. Disconnect the current and wait 10 minutes before making another measurement.		

INCLUDES

- Multimeter
- Test Leads
- 2 x AAA 1.5V Batteries
- K-Type Temperature Probe
- User Manual

WARRANTY

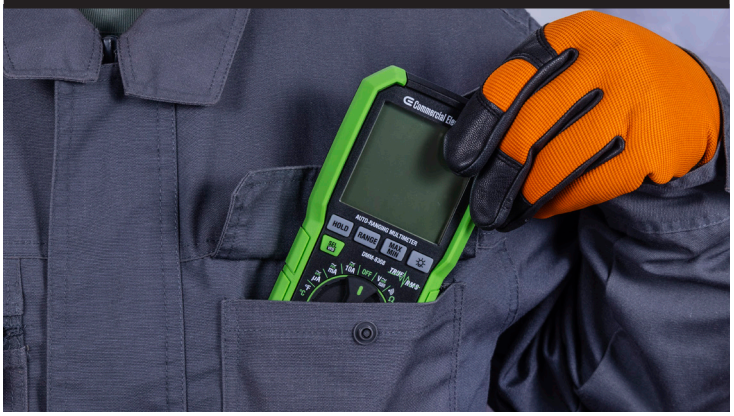
12-month

Intertek

CAT III 600V

Questions, problems, missing parts? Before returning to the store, call Commercial Electric Customer Service
8 a.m. - 7 p.m., EST, Monday - Friday, 9 a.m. - 6 p.m., EST, Saturday
1-877-527-0313
HOMEDEPOT.COM
Specifications subject to change without notice.

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Function	Measuring Range	Resolution	Accuracy
RESISTANCE	400.0Ω	0.1Ω	±(1.2% of rdg + 5 digits)
	4.000kΩ	0.001kΩ	
	40.00kΩ	0.01kΩ	
	400.0kΩ	0.1kΩ	
	4.000MΩ	0.001MΩ	
	40.00MΩ	0.01MΩ	±(2.0% of rdg + 10 digits)
	50.00MΩ	0.1MΩ	±(2.8% of rdg + 10 digits)
	Overload Protection: 600V AC RMS or 600V DC		
CAPACITANCE	40.00nF	0.01nF	±(3.5% of rdg + 10 digits)
	400.0nF	0.1nF	±(3.0% of rdg + 5 digits)
	4.000μF	0.001μF	
	40.00μF	0.01μF	
	400.0μF	0.1μF	±(3.5% of rdg + 5 digits)
	4.000mF	0.001mF	
	Overload Protection: 600V AC RMS or 600V DC		
FREQUENCY - THROUGH GRADE HZ/DUTY CYCLE	9.999Hz	0.001Hz	±(1.0% of rdg + 5 digits)
	99.99Hz	0.01Hz	
	999.9Hz	0.1Hz	
	9.999kHz	0.001kHz	
	50.00kHz	0.01kHz	
	Input Voltage Range: > 2V AC RMS (Input voltage increases when the frequency to be measured increases) Maximum Input Voltage: 600V AC RMS		
DIODE TEST	3.3V	0.001V	Display forward voltage drop of diode
	Overload Protection: 600V AC RMS or 600V DC		
DUTY CYCLE	0.1% - 99.9%	0.1%	±(1.2% of reading + 2 digits)
	THROUGH GRADE HZ/DUTY: Frequency Response: 5 to 10.0kHz Input Voltage Range: > 2V AC RMS (Input voltage increases when the frequency to be measured increases) Maximum Input Voltage: 600V AC RMS		
AUDIBLE CONTINUITY		When the on-resistance is smaller than 50Ω, the built-in buzzer sounds. The open circuit voltage is approximately 1V.	
	Overload Protection: 250V AC RMS or 250V DC		
TEMPERATURE	-40°F to 10°F	1°F	±(1.2% of rdg + 7 digits)
	11°F to 1832°F	1°F	±(1.2% of rdg + 6 digits)
	-40°C to -12°C	1°C	±(1.2% of rdg + 4 digits)
	-11°C to 1000°C	1°C	±(1.2% of rdg + 3 digits)
	Overload Protection: 600V DC or 600 V AC RMS		

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