

How to use a multimeter for measuring light and distance



Article Overview

Standard multimeters measure electrical properties, but for light and distance, you need specialized meters or combined devices.

Electrical Multimeters

Digital multimeters (DMMs) are designed to measure voltage, current, and resistance, and some advanced models include temperature, frequency, or RPM measurements. Popular models like the Fluke 115, Fluke 287, and Fluke 88V offer high accuracy, data logging, and durability for professional or hobbyist use. However, they do not measure light intensity (lux) or distance directly.

Light Measurement

To measure light intensity, you need a lux meter or light meter. These devices use a photodiode or sensor to quantify illumination in lux or foot-candles. Some modern multimeters or environmental meters integrate light sensors, but typically, a dedicated lux meter provides more accurate readings for photography, plant growth, or workplace lighting.

Distance Measurement

Distance measurement requires a laser distance meter or ultrasonic distance sensor. These tools can measure distances from a few centimeters to hundreds of meters w...

Article Content

Aug 13, 2025

How to Use a Multimeter

Find out how to use a multimeter depending on the type of device. Learn how to operate an analog multimeter and

Apr 24, 2026

How to Use a Multimeter: A Comprehensive Guide | Fluke

Learn how to use a multimeter in this comprehensive guide with detailed video featuring expert instruction

Mar 04, 2026

How to Use a Multimeter (Basic Guide for Beginners)

A multimeter is an electronic tool that measures voltage, current, and resistance. This Guide will show you how to use

Aug 10, 2025

How to use a multimeter

The multimeter is a crucial part of any electronics enthusiast's toolbox. In this article, we'll explain how to properly and

Jul 12, 2026

How to Use a Multimeter (for Beginners)

Whether it be your smartphone, computer, speakers, or the common light bulb, every electrical device needs a

Sep 04, 2025

How Does a Multimeter Work

Discover how a multimeter works and how electrical engineers use it. Learn about key features, testing modes, and

Jun 23, 2026

How To Use A Multimeter? A Complete DMM Guide

This tutorial is aimed at beginners and will help you familiarize yourself with a typical Digital Multimeter (DMM),

Mar 23, 2026

How to Use a Digital Multimeter

Select the parameter you wish to measure and the range using the instrument's rotary knob or switches.

May 07, 2026

How to Use a Multimeter for Electronics Projects

By understanding the basics of electrical circuits, safety procedures, and the proper use of a multimeter, you can

Jun 04, 2026

How to Use a Multimeter to Test Voltage (Plus Safety Tips)

A multimeter and a non-contact voltage tester are both used to measure electrical properties, but they serve different

Nov 29, 2025

How to Use a Multimeter: Electrical Testing Guide for Beginners

This guide covers everything you need to know: what a multimeter measures, how to set it up correctly, what the

Sep 03, 2025

How To Use A Multimeter

Measuring Voltage with Your Multimeter Measuring voltage is likely to be one of the most common things you do with your meter.

May 26, 2026

How to Read a Multimeter: The Ultimate Guide

Your go-to guide for mastering multimeter use - learn how to accurately read, measure, and diagnose with

Mar 04, 2026

How to Use a Digital Multimeter?

A digital multimeter is defined as a device used to measure electrical parameters such as voltage, current, and

Dec 02, 2025

How To Use A Multimeter For Beginners (Step By Step)

Unleash your electrical troubleshooting skills with our beginner's guide to using a multimeter. Our blog post offers a

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://khanimamboguesthouse.co.za>

Email: sales@khanimamboguesthouse.co.za

Phone: +27 64 852 1973

Address: Unit 7, Greenway Business Park, 8 Innovation Drive, Centurion, 0157,
South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

