Using a multimeter to test the quality of a photoelectric bead



Overview

A pointer type multimeter, rotate to the 10K resistance range, and use the red and black probes to measure the LED beads separately. Cross measure the positive and negative directions. When the parallel group of two beads are fluorescent at the same time, the pointer will move. If the. In this guide, we will explore how to use a multimeter to perform various measurements and tests. Because an LED is fundamentally a diode (a Light Emitting Diode), it allows current to flow in only one direction.



© 2026 Indzawo Optic Connect - All rights reserved

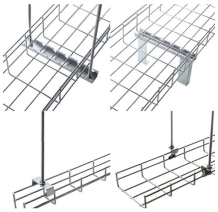
Using a multimeter to test the quality of a photoelectric bead



Learn how to use a multimeter in this comprehensive guide with detailed video featuring expert instruction and tips to ensure success.



The advantages of using a pointer type multimeter to test LED lights can be achieved by the movement of the pointer, causing the light beads to flash and look directly at it.



Multimeters have the ability to measure DC and AC voltage, current and resistance. Beyond that, there are heaps of useful features that you might consider looking for in a multimeter. ...

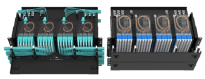


Set the multimeter to ''diode test'', and connect the probes to the LED terminal. If the LED glows, it is in good condition – any other result shows a defect or lack of charge.



The following uses the Everlight PD204-6B infrared photodiode as an example to introduce how to use a digital multimeter to measure its forward and reverse resistance.

© 2026 Indzawo Optic Connect - All rights reserved

	1□ Quickly Check for Damaged Lamp BeadsUse a multimeter to test the LED lamp beads:·Analog Multimeter: Connect the black probe to the positive terminal and ...
	This detailed guide will walk you through the process of checking a photodiode''s functionality using a simple multimeter, a tool readily available to most electronics enthusiasts.
	An auto-ranging multimeter (such as the iFixit multimeter) will automatically determine the best measuring range. All you have to do is set what kind of measurement you want to take.
	In this article, we will explore how to test electronic circuits using a multimeter effectively. We''ll cover the types of measurements you can perform, how to set up your multimeter for various ...
	This process focuses on the diode mode test, which is the gold standard for how to use a multimeter to detect damaged LED components. We''ll cover both in-circuit and out-of-circuit testing.

© 2026 Indzawo Optic Connect - All rights reserved

Contact Us

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

Website: https://www.indzawo.co.za
Email: sales@indzawo.co.za
Phone: +27 71 296 8473
Address: 22 Quantum Street, Midrand, 1685, Gauteng, South Africa

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

© 2026 Indzawo Optic Connect - All rights reserved