

Optical Module Distance Measurement



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Learn about the four main types of distance sensors, their applications, and how to choose the best one for precise measurement needs.



Compact and easy-to-integrate optical distance measurement solutions for industrial automation suppliers and system integrators. Choose the best laser rangefinder that fits your application.



This Product Selection Guide contains information to help select products in the Optical Sensors - Distance Measuring category on DigiKey . Optical distance measuring sensors employ ...



<p>The optical distance sensors measure distances quickly and precisely with red light laser. Thanks to the metallic housing, all sensors are very robust.



To meet these diverse needs, the operating principles of triangulation, propagation time measurement and phase measurement in different sensor sizes and specifications are covered by a wide range of ...



There are various methods of optical distance measurement, including TOF (Time-of-Flight) and triangulation. They are used for various applications, such as detecting surroundings in autonomous ...



What Are Optical Distance Sensors and How Do They Work? Optical distance sensors are non-contact measurement devices that use light—often laser or LED—to determine the distance between the ...



A range of approaches exist to directly measure distance as the length of the reflected optical path from laser, to a target where it is reflected, and back to a sensor.



Thanks to an extra fine line beam, the OM laser distance sensors measure highly reliably and repeatably. Thus, stable and precise measurement results can be achieved even on demanding ...



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Contact Us

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