

Fiber optic sensors can adjust colors



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With a conventional photoelectric sensor, when the distance to the target object changes, the received light intensity also changes. On the other hand, with a colour sensor, there is no change in colour ...



As a trade-off solution between colorimeter and spectrophotometer, this method aims to increase accuracy with respect to the colorimeter and simplify the system with respect to the ...



Fiber optic sensors rely on optical principles to detect object properties such as reflection and scattering. They can identify color based on the wavelength characteristics of reflected light.



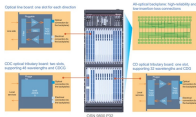
Fiber Sensors almost always use LEDs as the light source. The light emitted from LEDs oscillates in the vertical and horizontal directions and is referred to as unpolarized light.



The sensor achieves an accuracy of 100% for painted objects, over 73% for clothes and 74% for plastics in recognizing 62 defined colours. It is inherently compact and suitable for remote sensing, has high ...



A fiber optic sensor measures a physical quantity by modulating the intensity, spectrum, phase, or polarization of light traveling through the optical fiber system.



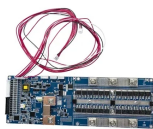
These are reliable and easy-to-use devices that have high power, can automatically adjust to real-time conditions, and have a straightforward display that eliminates any guesswork. This series is able to ...



Banner's R55F fiber optic sensors have the capability to detect the presence of caps regardless of their color or size – a clear advantage in an industry that has a wide variety of bottle caps and frequent ...



Today, fiber optic color sensors are making it not only possible but efficient and reliable, transforming quality control and process automation across countless sectors.



It is fully compatible with all fiber optic probes, significantly reducing installation space and costs. The device allows for one-touch color calibration, simplifying setup procedures.

Contact Us

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