

# Fiber optic sensor detects color mark



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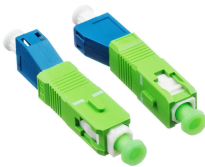
Our new colour mark sensors E3S-DC (photoelectric sensor) and E3NX-CA (fiber amplifier) are ideally suited to these conditions because they incorporate our proprietary sensing technology and ...



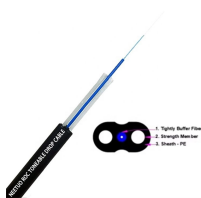
OPTEX FA provides cost effective color mark sensors.









Color contrast fiber optic sensor detects 16 levels of grayscale for registration mark detection. Choose infrared or 1 of 4 visible beam colors.



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.



Colormark fiber amplifier with two outputs capable of detecting minute differences between colormarks and their respective backgrounds on account of the sensor's high signal to noise capabilities.

	<p>The R55E color mark sensor is able to reliably detect very small color marks and small color contrasts. Here, the R55E senses a color mark printed on the rear seam of the foil top wrap.</p>
	<p>Registration mark sensors with a 50 kHz switching frequency and 5 <math>\mu</math>s repeatability ensure precise detection of print marks in high-speed printing, packaging, and converting applications. Choose ...</p>
	<p>Ultra-small diameter fibers with a compact head ensure precision centering accuracy to stably detect minute parts. Since it has a thin, rectangular shape, it can be installed in narrow locations. Sensing of ...</p>
	<p>The R55F Fiber-Optic Sensor was developed to provide simplicity of operation and access to tight areas for color mark (registration) sensing applications. R55F sensors feature TEACH sensitivity ...</p>
	<p>Banner's vast array of color mark sensing devices includes solutions for every level of contrast detection, from basic economical units for high-volume OEM applications to highly sophisticated, ...</p>
	<p>Passive, fiber-type color sensor that identifies RGB composition values of color proportions by analyzing light into the three primary colors: red, green, and blue.</p>

## Contact Us

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