Fiber optic sensor detects color

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

OPTEX FA provides cost effective color mark sensors.

Opaque targets can be detected regardless of reflectance, color, or material. With reflective models, light emitted from a transmitter hits the target and the reflected light is returned to the receiver. Target ...

Fiber-optic sensors measure different light sizes such as wavelength and intensity in order to derive other measured values from them. In industrial automation, the energetic principle is often used. The ...

With its high precision, stability, and extensive adaptability, this sensor is widely used in industries such as printing, packaging, food, and pharmaceuticals, where it reliably detects color marks or label ...

At its heart, a fiber optic color sensor system consists of three primary components: a light source (often LEDs or broadband sources), a bundle of optical fibers for light transmission, and a photodetector ...

The Colour Sensor is a fibre optic amplifier made specifically for recognition of 1 or 1 to 4 colours. Teaching of the colours is easily performed by means of the "Teach-in " function.

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.

Color sensors perform color detections and color measurements in products and surfaces with different types of optics - read about the differences!

Equipped with safety features and remote fault monitoring.

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