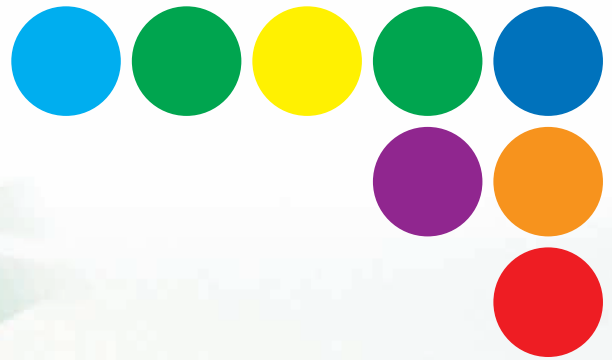


OMRON

Mark Sensor with Stainless Steel Housing

Compact, Photoelectric Sensor with Built-in Amplifier and Teaching Function

E3ZM-V



Color Mark Detection in a World-standard Size (11 × 21 × 32 mm), with High-speed Response (50 μs) and Accuracy in Spite of Sensing Object Movement

realizing

Another Advance for the E3ZM Series in the Food and Packaging Industries.

World's Smallest* Color-mark Sensor with Built-in Amplifier

The E3ZM-V provides superior optical performance and yet is the same size as the E3Z. This compact, high-speed Mark Sensor remains accurate in spite of sensing object movement.

*According to OMRON investigation.

Color Mark Sensors Now Join the E3ZM Series of Photoelectric Sensors for the Food Industry

Space-saving Design with an SUS316L Housing

E3ZM
Standard Size

The compact design reduces volume by 90% compared with previous OMRON models.

And the world-standard dimensions contribute to standardized installation specifications.

Previous OMRON model (E3M-V)

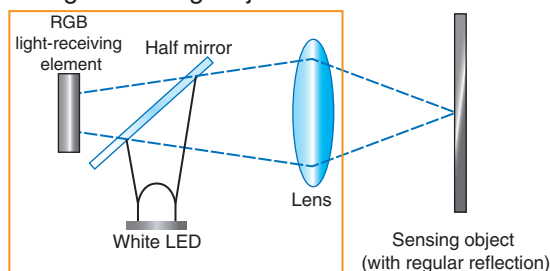


Coaxial Optical System in a Compact Design

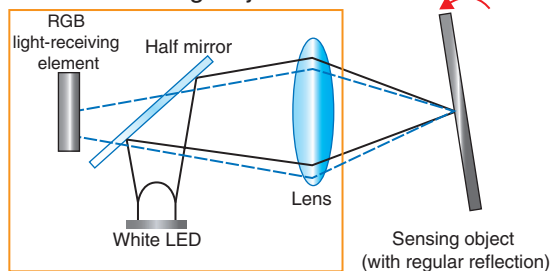
Although the E3ZM-V is only 11 × 21 × 32 mm, it uses a coaxial optical system.

Even if the sensing object is inclined, reflected light is captured with the coaxial optical system to provide stable detection.

Straight Sensing Object



Inclined Sensing Object



IP69K Degree of Protection with an SUS316L Housing

Same Durability as the E3ZM

The housing is constructed of corrosion-resistant SUS316L, and the display cover is PES (polyethersulfone). Both materials are highly resistant to the effects of detergents and disinfectants. IP69K degree of protection also allows the E3ZM-V to withstand washing with high-temperature, high-pressure water. This makes the E3ZM-V well suited to use in sites requiring a high level of hygiene.

