

Stainless Steel Housing Ideal for Food Industry **PAT Pending**



- Strong resistance against detergents, disinfectants, and jet liquid flow.
- Product lineup includes BGS Reflective Models and Through-beam Models with built-in slits.
- Certified by Ecolab Europe.



Be sure to read *Safety Precautions* on page 13.

For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Features

World's Strongest

Withstands Detergent and Disinfectant Spray

We used SUS316L for the case and the best material for all parts to achieve **200 times the durability of the E3Z** (in 1.5% solution of sodium hydroxide at 70°C) to make the E3ZM suitable for the cleaning conditions of food-processing machinery.

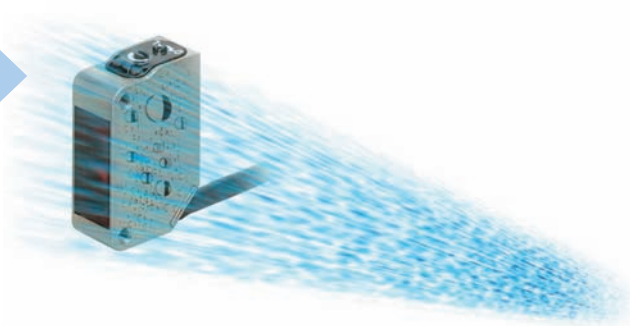


World's First

Superior Protective Structure

The first IP69K* (DIN 40050-9) protective structure in the world for a square metal photoelectric sensor. Suitable for high-temperature, high-pressure jet water spray cleaning applications.

* Refer to the footnote on page 5 (ratings and specifications table).



Industry's Best

Shape and Markings Designed for Greater Hygiene

Few indentations in the shape means less dust and water can collect, making the E3ZM more hygienic. No labels have been used in order **to prevent foreign matter contaminating food** products. The E3ZM model and lot numbers are imprinted using a laser marker.



Rear

Structural Design That Provides Excellent Environment-resistance*

Waterproofing ring: Fluorine rubber

Excellent resistance to detergents and disinfectants.

Optical plate: Polymethylmethacrylate (PMMA)

Excellent resistance to detergents and disinfectants. High transparency and other qualities give PMMA excellent optical characteristics.

Seal

The seal provides the durability to high-temperature and high-pressure water that complies with IP69K.

Indicator cover: Polyetherimide (PEI)

Excellent resistance to detergents and disinfectants.

Sensitivity adjustment and mode selector switch: Polyetheretherketone (PEEK)

Excellent resistance to detergents and disinfectants. Also has excellent abrasion resistance.

Case: SUS316L

Excellent corrosion resistance to many chemical reagents.

Cable: Polyvinylchloride

Excellent resistance to detergents and disinfectants.

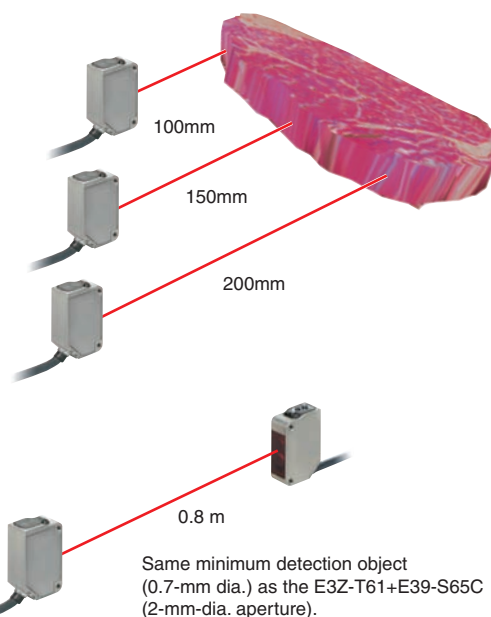
*Do not use the E3ZM in an oily environment.

Unique Members of the E3ZM Family

BGS Reflective Models

E3ZM-LS6□H/-LS8□H

Three models with different fixed sensitivity (rated sensing distances) have been created. These models cover the sensing ranges of the E3Z-LS61.



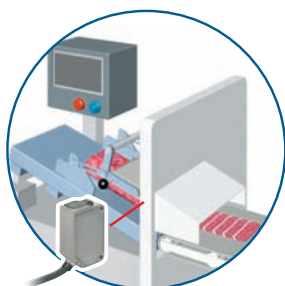
Through-beam Inner Aperture Models

E3ZM-T63

Fine beam without attaching an external aperture. This eliminates malfunctions from residual water drops, even immediately after washing.

A Better Fit for the Application

The E3ZM can be used in those harsh cleaning environments in which the E3Z was difficult to use. E3ZM passed the material resistance tests and is certified by Ecolab.



Processing and wrapping of meat or raw food products

