Sensing performance redefined

Transparent Object Sensor E3S-DB

Smart Teach

"Smart Teach" saves setting-up time

Bright LED indicator

E3S-DBP22
DC10-30V
Class2 100mA Type1
1 : +V
2 : OUT2 (D-ON)
3 : 0V
4 : OUT1 (L-ON)
OMRON Corporation
MADE IN CHINA

Robust housing to IP67/69K standard

Narrow Beam

Pinpoint LED

High flexibility for mounting

Best-in class performance

Movable connector

Sensing performance redefined

Omron's E3S-DB retro-reflective sensor is the first in a new generation of high-performance sensors designed for packaging machines. Developed in close consultation with Omron's leading customers in the Food & Beverage industry, it is designed for the stable detection of all transparent objects, independent of shape, colour, or thickness.

• Stable recognition of all transparent objects
• Detects product gaps to 3mm
• Optimum set-up in a few seconds

Sensing performance redefined
Transparent Object Sensor E3S-DB

Stable operation

The E3S-DB detects all types of transparent objects such as glass bottles, PET bottles, transparent trays and packaging films. The sensor provides stable operation under all ambient conditions resulting in fewer sensor failures, thus less downtime of your machine.

Smart Teach

The E3S-DB features models with multi-turn trimmer pots and models with "Smart Teach "- an enhanced teaching method combining a seamless threshold setting using a one-turn trimmer and One-push-teach.
The teach button automatically adjusts light emission power and sensitivity based on the sensing distance and selected threshold. This provides clear information about the sensor's settings and allows easy and fast copying of sensor settings.

Detects product gaps of 3mm

Sensing distance up to 4,5 m. (typical)

4,5 m

Elimination of stray-light

Copy

Device setting value

Monitoring tool

Using a of an PC-interface, the monitoring tool optimised control over all sensor parameters using remote devices. Furthermore, in conjunction with Smart-Teach, it enables analysis of the minimum attenuation of an object.

Would you like to know more?

OMRON EUROPE

📞 +31 (0) 23 568 13 00

💻 industrial.omron.eu

💬 omron.me/socialmedia_eu