

Optex FA CO., LTD.



Providing the most advanced and accurate line of optical sensors

From detecting diverse parts in vast industries to offering various sensors in size and function that fit any space, Optex FA specializes to fit your needs.

PHOTOELECTRIC SENSORS

Photoelectric sensors are applied in virtually all industries and have become a very important component to modern automated production processes. Photoelectric sensors are available in beam-break and beam-make versions and in a variety of sensing models.

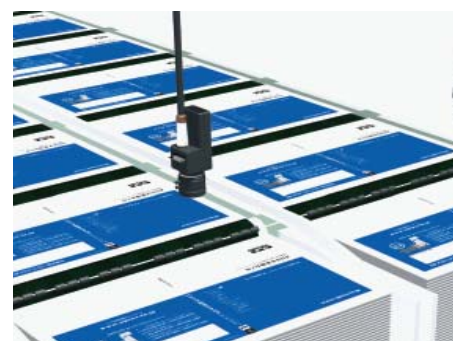
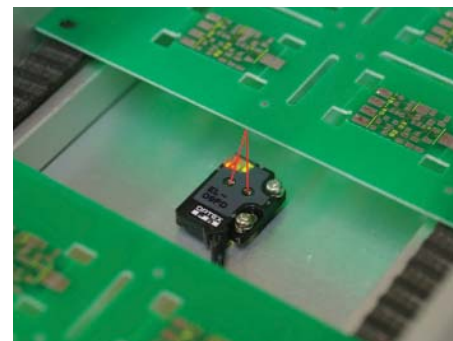
Advantages of Photoelectric Sensors

- Long life with non-contact detection
- Ability to detect virtually any material
- Short and long distance sensing
- Ability to differentiate colors
- Highly accurate detection
- Ability to be applied in virtually all ambient conditions

Major Categories of Photoelectric Sensors

- LED
- Laser
- Fiber Optic

Optex FA is the **WORLD LEADER** in
laser sensing and displacement laser
measurement.



With **PASSION** and **CREATIVITY**, we provide the **BEST SOLUTIONS** for our customers through the application of **TECHNOLOGY**.

LED SENSORS

LED sensors are one of the most widely applied and versatile range of sensors. They are cost effective and adaptable to virtually any application.

Applications:

- Sensing objects from opaque to transparent
- Sensing parts in clean to contaminated environments
- Counting parts
- Sensing small parts that are not in a repeatable position
- Sensing parts of varying reflectivity and ignoring backgrounds
- Sensing parts in a defined depth-of-field

LASER SENSORS

Laser sensors offer excellent repeat accuracy and performance, especially in applications where long sensing range and narrow beams are required.

Applications:

- Sensing objects from opaque to transparent
- Sensing parts in clean to contaminated environments
- Counting parts
- Sensing small parts that are not in a repeatable position
- Sensing parts of varying reflectivity and ignoring backgrounds
- Sensing parts in defined depth-of-field
- High accuracy measurement application

FIBER OPTIC SENSORS

Fiber Optic sensors offer superior performance in applications where the sensing environment is harsh and extremely confined.

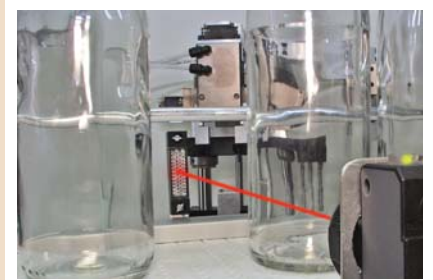
Applications:

- High vibration and shock tolerance
- Applicable in high heat, wet and corrosive environments
- Compact design for tight sensing locations
- Complete immunity to electrical noise
- Explosion proof design (EMI and RFI)
- Sensing very small objects

Sensing Modes

LED Sensors

- Thru-beam
- Retro-reflective
- Diffuse
- Diffuse/Reflective
- Convergent
- Divergent
- Background Suppression



Laser Sensors

- Thru-beam
- Retro-reflective
- Diffuse/Reflective
- Background Suppression



Fiber Optic Sensors

- Thru-beam
- Diffuse

