

## Overview

Baumer announces the new series 14, with several changes to the product line intended to improve the number of solutions for applications.

## Markets

- Food Industry
- Medical Handling
- Packaging
- Printing & Graphics
- Robotics
- Special Machines

## New features:

### Transparent rear half of housing

The new housing design incorporates a transparent rear, which allows easier viewing of power-on and sensing LED's, immensely improving mounting, adjusting, and operation of the sensor.

### Metal M8 Connector

The new S35A metal connector has been improved over the previous plastic model, with a higher stability and four times higher tightening torque: a real plus for tough industry use.

### New connection options, cable or M12 connector (S14)

In addition to the previously-available S35A version, the new 14 Series includes both a cable version and an S14 (M12) connector version. With all versions, the connection has been placed in a recessed portion of the housing, saving valuable installation space.

### Considerable extension of product range

The 14 Series photoelectric line has been expanded, with more than fifty additional products to help solve an increased range of applications.

### 100% backward compatibility to the previous design!

Despite all the changes to the 14 Series photoelectric line, there is no change in housing dimensions, mounting, or beam placement for existing 14 Series users. All these features are identical in the new versions.



14-Series Photoelectric Sensors solve most applications.



New cable version, M12 connector, and reinforced metal M8 connector.

## For application information, contact:

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## Product families and part numbers:

Below is a listing of the 14 Series photoelectric sensor product families, with links to the Baumer website resources for each grouping.

### Diffuse beam

[FZDK 14](#) – LED version for simple sensing applications

[OZDK 14](#) – Laser sensor for detection of target contrast differences

### Background Suppression

[FHDK 14](#) – LED, mechanically-adjustable version

[FHDK 14 \(Teachable\)](#) – LED, electronic teach-in version

[OHDK 14](#) – Laser, mechanically-adjustable version

### Foreground Suppression

[FNDK 14](#) – LED, mechanically-adjustable version

### Retro-reflective

[FPDK 14](#) – LED version, with polarization filter

[FRDK 14](#) – LED version, for detection of transparent objects

[OPDK 14](#) – Laser version, for detection of transparent objects

[OPDK 14](#) – Laser version, with polarization filter

### Through-Beam

[FEDK 14](#) – LED version, through-beam receiver

[FSDK 14](#) – LED version, through-beam emitter

[OEDK 14](#) – Laser version, through-beam receiver

[OSDK 14](#) – Laser version, through-beam emitter



New amber alignment aid provides faster installation.



New accessories allow for easier installation and operation.

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