SENSOPART

Product Overview DTECT®

DTECT it. - Optical Sensors for Factory Automation

Vision Sensors | **Optical Sensors** | Ultrasonic Sensors | Inductive Sensors

DTECT® Optical Sensors for Factory Automation

DTECT it. Reliable Detection Made Easy.

In modern industrial manufacturing, reliable object detection is essential for stable, efficient processes. Even minor errors can result in quality losses or production downtime. To prevent this, you need reliable sensor solutions that work quickly and accurately, even under difficult conditions. SensoPart's DTECT® portfolio of optical sensors offers intelligent solutions for a wide range of detection tasks, including simple presence detection, detection of transparent or low-contrast objects, distance measurement, and color detection.
Thanks to their sophisticated technology and robust design, our sensors can be easily and flexibly integrated regardless of the installation position or environmental conditions.

SensoPart's DTECT® portfolio includes a wide range of models for presence detection, object detection, distance measurement, and color detection. Each sensor delivers reliable, cost-effective performance for your automation needs.

Precision perfectly coordinated:
- Combines high-performance optoelectronics with intelligent signal processing

Flexibility:
- Broad product range — from miniature sensors to advanced solutions for specialized tasks

Scalability:
- Multiple variants, sensing ranges, and light types for maximum customization

Connectivity:
- A variety of interfaces for seamless integration into modern control systems

Ease of use:
- Simple setup, versatile mounting options, and clear status indicators

DTECT® sensors from SensoPart – the right solution for every challenge
- Detection perfected

Our DTECT® sensors are used across a wide range of industries and applications to meet diverse automation requirements:

Automotive

Assembly & Handling

Robotics

Electronics

Food & Beverage

Plastics

Lab Automation

Pharmaceuticals & Cosmetics

Solar

Packaging

Our DTECT® sensors play a key role in ensuring product quality and improving plant efficiency through precise, reliable detection that helps reduce operating costs. SensoPart offers an extensive selection of optical sensors with varying capabilities and features to suit your specific needs. The DTECT® portfolio includes:

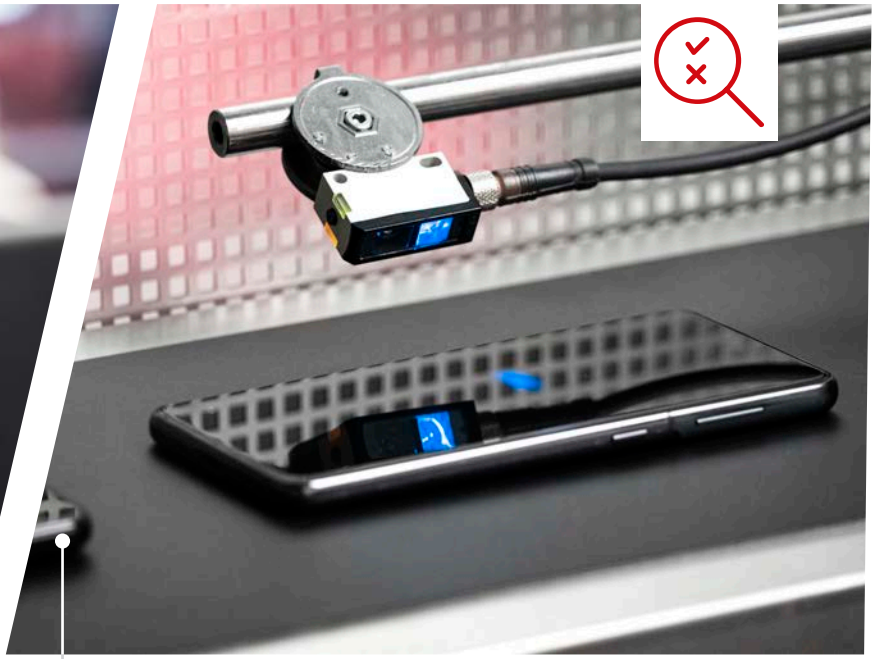
- **DTECT® Object** - 3D Object Detection Sensors
- **DTECT® Distance** - Distance Sensors
- **DTECT® Presence** - Photoelectric Sensors for Presence Detection
- **DTECT® Color** - Color Sensors

DTECT® Optical sensors

Sensor Family Highlights

3D-Object Detection – DTECT® Object

Object Detection – DTECT® Presence



Reliable Object Detection for Every Application

Precise object detection is a key requirement in modern automation, regardless of the object's shape, color, material, or surface. SensoPart's optical sensors provide maximum detection reliability and short response times. They can operate reliably even under difficult conditions, ensuring stable and efficient processes.

- **DTECT® Object 3D**
  - Depth image technology with multiple patents
  - Intuitive color display with depth image visualization
  - Evaluation of 100 images per second for use in dynamic processes
  - Volume-based classification

- **FT 25-RLHP (Time-of-Flight-Sensor)**
  - Miniature object sensor with time-of-flight technology
  - Precise object detection over long distances, regardless of color or surface properties
  - Ideal for applications with requiring long range and high reliability in a compact design
- **FT 55-RLHM**
  - Reliable long-range detection on dark or shiny surfaces
  - Detection of even the smallest parts and integrated Detect-All mode
  - Durable metal housing for demanding industrial environments
- **FT 10-BH(D), FT 25-BH (BlueLight-Sensors)**
  - Designed for very dark, shiny, or difficult surfaces
  - Maximum detection reliability despite its compact size
  - BlueLight technology reliably detects surfaces where standard IR or red light fails
- **FR 25-RGO/RLO**
  - Best detection of transparent objects (RGO)
  - Detection of tiny parts from 0.2 mm (RLO)
  - No blind zone - Detection through holes and blinds possible

Distance Measurement – DTECT® Distance

Precise Measurement Results Ensure Reliable Processes

Accurate measurement of distances, heights, and positions is essential for automation, whether for quality control, positioning, or process monitoring. Depending on requirements, SensoPart's optical sensors deliver measuring accuracies ranging from hundredths to millimeters and impress with their high repeat accuracy and ease of use.

- FT 55-RLAM
  - Precise distance measurement up to 1 m with a high measuring frequency
  - Insensitive to colors and surfaces — ideal for applications with changing materials and metal
  - Analog, IO-Link and digital outputs for flexible integration
- FT 10-RLA
  - Miniature sensor with IO-Link for precise measurements in tight spaces
  - Ideal for pick-and-place applications and height checks
  - Quick commissioning with a simple teach-in function

Color Detection – DTECT® Color

Reliable Color Detection for All Applications

Color detection and differentiation play an critical role in industrial manufacturing, whether for quality control, sorting, or process monitoring. SensoPart's optical sensors deliver accurate and consistent color recognition, even under challenging conditions such as shiny surfaces or fluctuating lighting.

- FT 55-CM
  - Detects even the smallest color nuances with high precision, including similar color tones
  - Reliable differentiation of materials
  - Intuitive operation via display or teach-in with the touch of a button
  - Special product variants available for shiny surfaces, small light spots, or longer sensing distances
- FT 25-C
  - Fast response time — ideal for detecting print marks in high-speed processes
  - Compact design for flexible integration, even in confined spaces
  - Simple teach-in at the touch of a button for quick and intuitive setup

Sensor Sizes

The Right Sensor for Every Application

- F 10
  Sub-miniature sensors
  - 21.1 x 14.6 x 8 mm

  - Blue LED
  - Red LED
  - Class 1 red laser
  - Distance Sensors with Triangulation
  - Photoelectric Through-Beam Sensors
  - Photoelectric Retro-Reflective Sensors
  - Photoelectric Diffuse Sensors with BGS

- F 25
  Miniature sensors
  - 34 x 20 x 12 mm

  - RGB LED
  - Blue LED
  - Red LED
  - White LED
  - Class 1 red laser
  - Distance Sensors with Time-of-Flight Technology
  - Distance Sensors with Triangulation
  - Photoelectric Through-Beam Sensors
  - Color Sensors
  - Contrast Sensors
  - Photoelectric Retro-Reflective Sensors
  - Photoelectric Diffuse Sensors
  - Photoelectric Diffuse Sensors with BGS

- F 55 Plastic
  Compact class
  - 50 x 50.1 x 23 mm

  - Blue LED
  - Red LED
  - Class 1 red laser
  - Distance Sensors with Time-of-Flight Technology
  - Photoelectric Through-Beam Sensors
  - Photoelectric Retro-Reflective Sensors
  - Photoelectric Diffuse Sensors
  - Photoelectric Diffuse Sensors with BGS

- F 55 Metal
  Compact Class
- 50.5 x 50 x 25 mm
- Display

- White LED
- Class 1 Red Laser
- Class 2 Red Laser

- Distance Sensors with Triangulation
- Color Sensors
- Photoelectric Diffuse Sensors with BGS

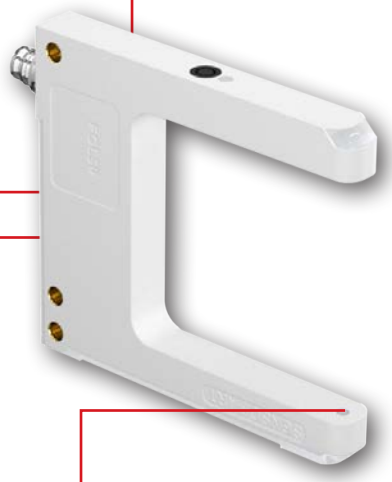
- DTECT® Object
  3D Object Sensor
- 50 x 54 x 25 mm
- Color Display

- LED band

- 3D-Object Sensor with Active Stereo

- FGL
  Fork Sensors

4 Sizes
- FGL 30: 50 x 59.5 x 10 mm
- FGL 50: 70 x 79.5 x 10 mm
- FGL 80: 100 x 79.5 x 10 mm
- FGL 120: 140 x 79.5 x 10 mm

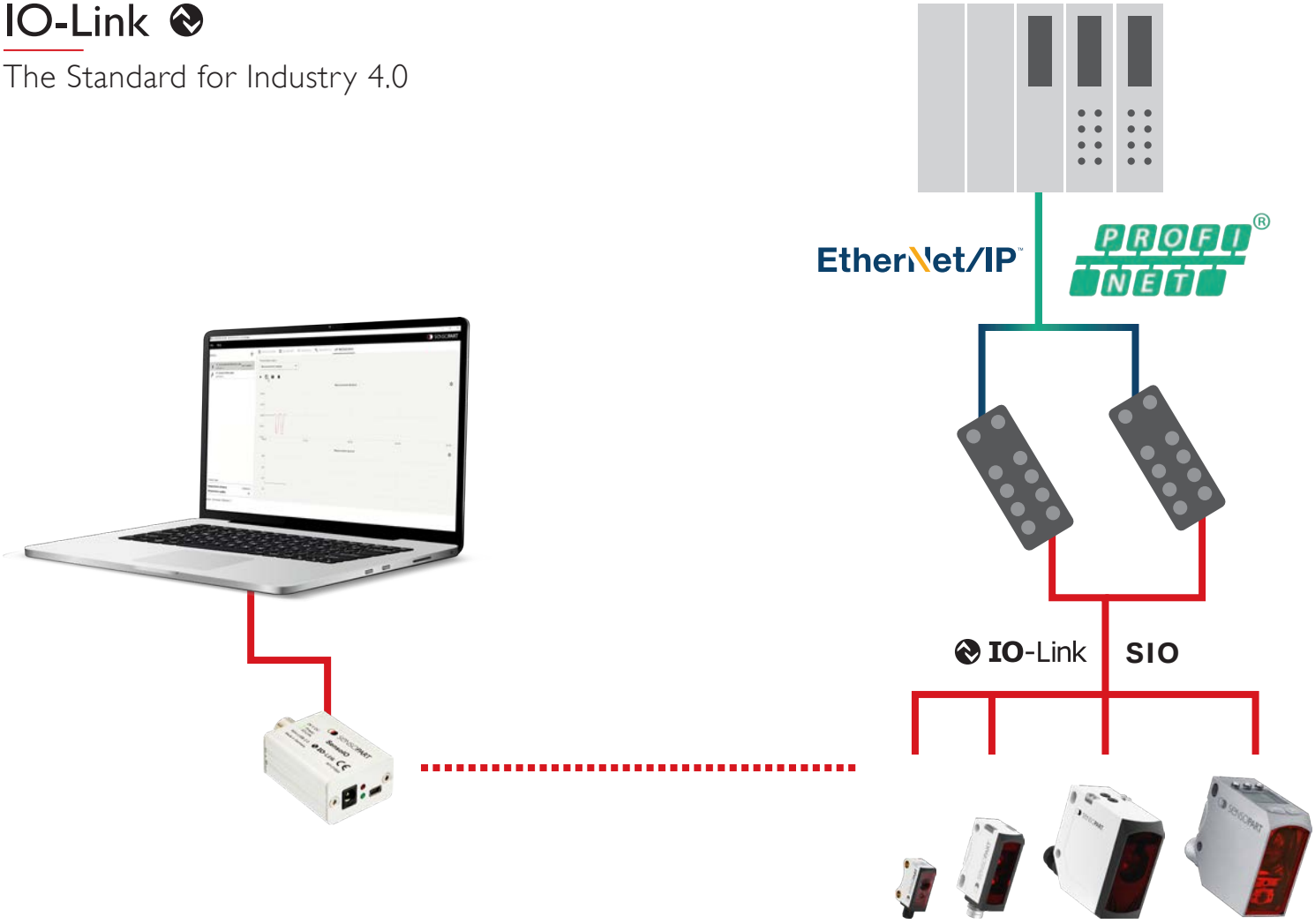


- Infrared LED
- Red LED

- Photoelectric Through-Beam Sensors

IO-Link

The Standard for Industry 4.0



How IO-Link Works:

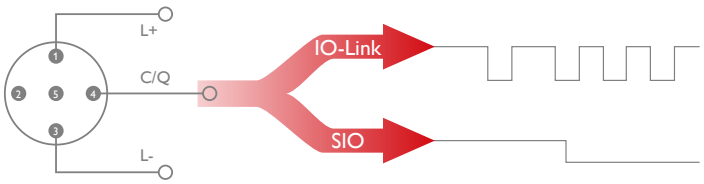
IO-Link is the first globally standardized I/O technology (IEC 61131-9) for communication with sensors and actuators, making it a core technology for Industry 4.0.

- Extended adjustment options due to SmartFunctions
- Backup and transfer sensor parameter settings via Job Management
- Fully adjustable switching point in the millimeter range for all sensors with background suppression and distance sensors
- Adjustable Mean Value Filter for distance sensors
- Output signal quality to track and detect changes over time

Operating mode:

IO-Link sensors can be operated in two different modes:

- IO-Link mode
- SIO mode (Standard I/O mode)
  In SIO mode, the sensor operates like a conventional sensor. This means that IO-Link sensors can continue to be operated as binary or analog sensors as usual.



IO-Link-Components:

IO-Link-Software SensoTune:

- Define sensor parameters and visualize process data
- Read and interpret sensor data
- Read functions from the IODD
- Centralized adjustment of switching points at the PC

IO-Link-Master SensoIO:

- Facilitates communication between the connected IO-Link-capable sensors/actuators and the parent control system
- Managing data transmission and the configuration of the connected devices

IO-Link-Geräte:

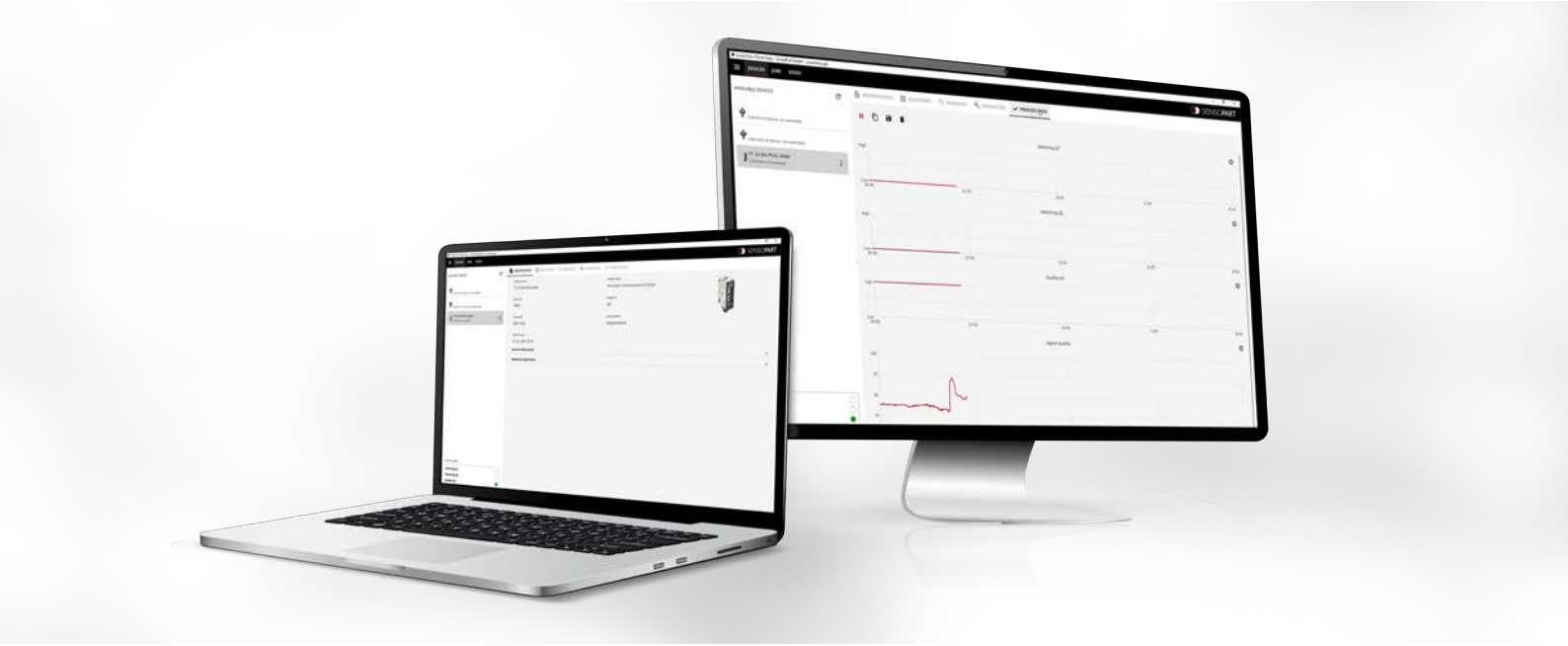
- Sensors and actuators that can be connected to the system
- The IO-Link portfolio includes, for example, distance sensors, color & contrast sensors and photoelectric sensors

IODD (IO Device Description):

- Electronic device description of an IO-Link device
- Defines parameters, process data, and diagnostic data
- Basis for configuration and visualization in the IO-Link system

SensoTune

Simple. Fast. Tuned.



Intuitive. Efficient. Powerful. The Smart Way to Configure Sensors:

SensoPart offers SensoTune, a modern, user-friendly software tool that makes it easy to configure and optimize optical sensors. Whether you are setting up new devices or fine-tuning existing systems, SensoTune provides all the tools you need for quick and seamless parameterization.

Functionality at a Glance:

The clear user interface is divided into clearly structured areas, including a device list, function window, and menu bar, giving you complete control over sensor settings and job management with just a few clicks.

- Fast connection via USB using the SensoIO (IO-Link master) for immediate access to all sensor parameters
- Simple adjustment and identification with sliders, input fields, and drop-down menus
- Live diagnostics with real-time monitoring of key performance indicators
- Streamlined access to all main functions through the Quick Start view

HIGHLIGHTS

- Intuitive interface
- Live data and CSV export
- Automatic sensor detection
- Multilingual (DE/EN/FR)
- Easy parameterization
- Compatible with all IO-Link-capable SensoPart sensors

BlueLight

Blue Has No Limits

BlueLight

BlueLight technology: Reliable detection of both simple and challenging objects

- One sensor for a wide range of industrial applications
- Reliable performance, even in challenging environments
- Detects deep black, reflective, curved, angled and shiny objects
- Reliable and easy to operate
- Optimized Performance in object detection
- Fast and accurate detection regardless of object shape, color, or surface
- Rapid Return on Investment compared with the significant costs of downtime, rework, and scrap

Time-of-Flight

Next-Level Precision

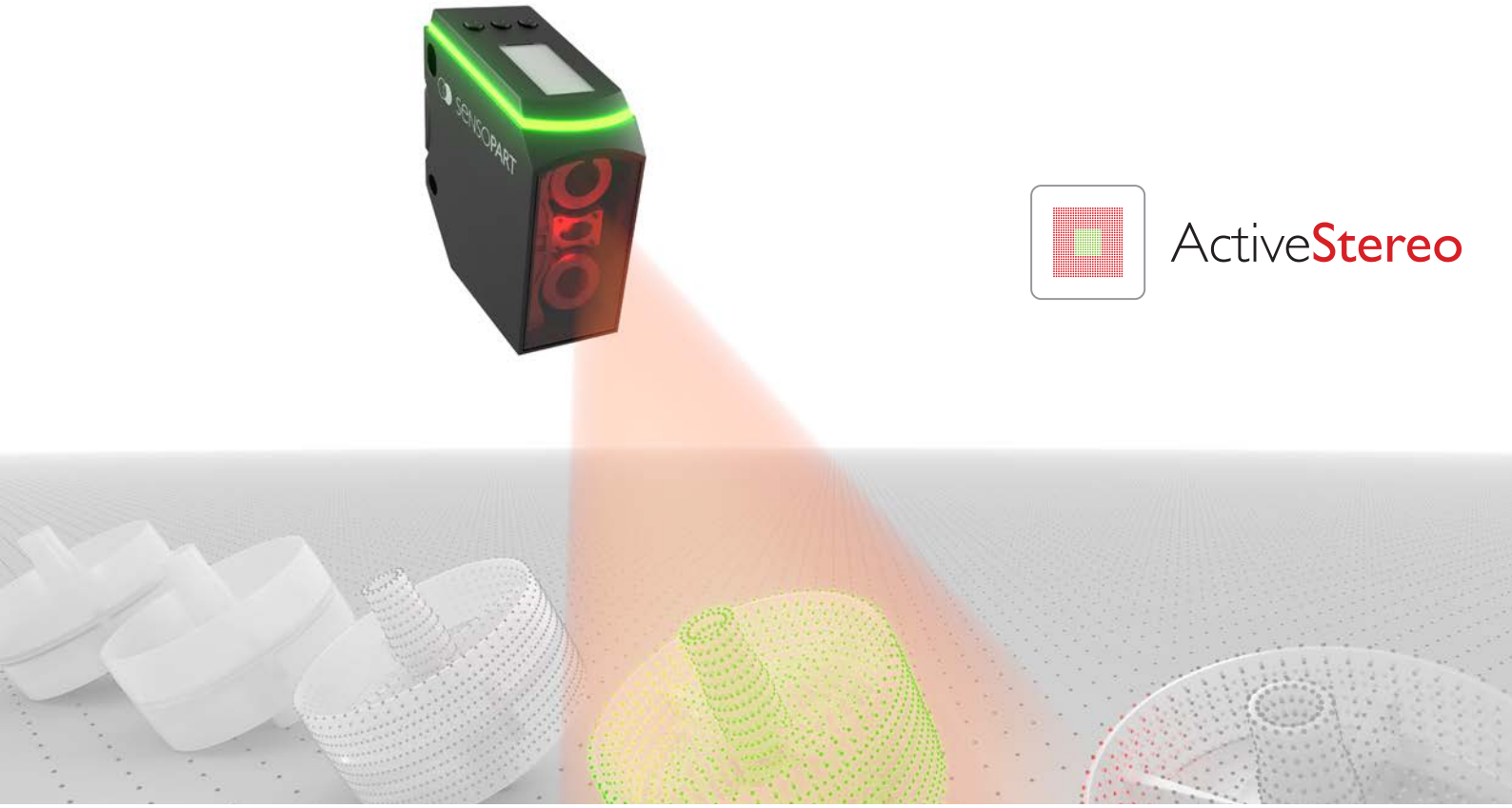
Time-of-Flight

Time-of-Flight Sensors: Precise Distance Measurement — Regardless of Object or Surface

- Distance measurement by detecting the transit time of a light pulse emitted to the object and back
- Depending on the model, ToF sensors either provide a continuous distance value in millimeters or a switching signal when a defined distance is reached
- Robust, versatile, and reliable solution for modern automation tasks
- Precise distance measurement and object detection in real time
- Almost independent of color, shape, and surface
- Large measuring range with compact design
- Easy integration into a wide variety of applications
- Resistant to optical interference sources (e.g., reflective safety vests)

Active Stereo

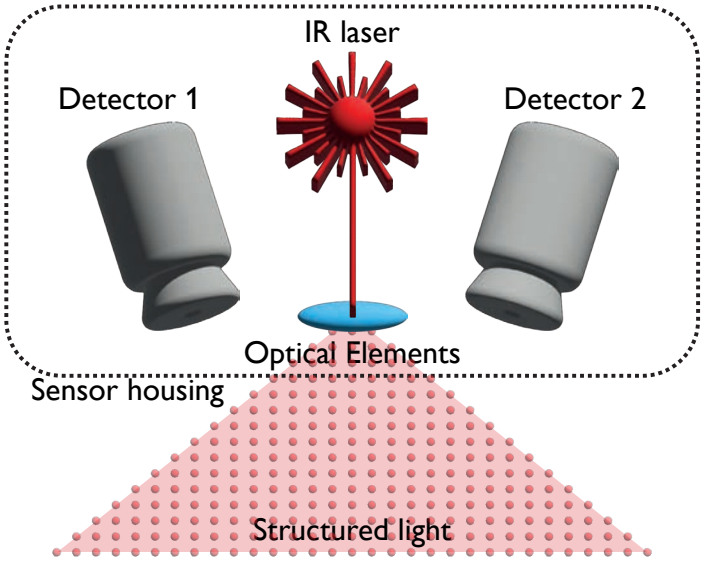
Stereo vision with structured lighting



ActiveStereo

The 3D detection of the DTECT® Object 3D is based on stereo vision with structured illumination. A laser pulse is formed into a defined light pattern (point cloud) using an optical element and projected onto the object. The projected pattern is in the infrared range, which makes the measurement largely insensitive to ambient light. Two camera chips detect the pattern from offset perspectives and from this reconstruct a depth image. The subsequent volume-based detection provides the basis for qualifying the actual state. A red laser illuminates the sensor's field of view during the teach-in process to provide spatial orientation.

- Direct integration as with classic sensors
- 3D height information instead of contrast dependency
- Field of view for flexible feeding
- Teach-in requires no previous knowledge
- Very compact – the smallest 3D device on the market



Schematic diagram of the sensor's design

Further information about our Active Stereo Technology:
www.sensopart.com/en/products/optical-sensors/dtect-object-3d

DTECT® Object

The next generation in object detection

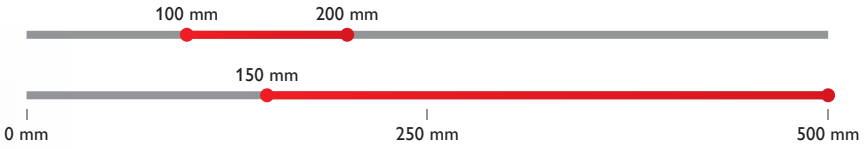
3D object recognition for complex detection tasks:
Classic sensors are ideal when speed, robustness and easy commissioning are key, but the designs make them less suitable for complex applications. Vision sensors offer a high degree of flexibility and facilitate detailed evaluations, yet require more effort for setup and integrate. Camera systems go a step further and can master highly complex applications.
Our sensors of the DTECT® Object series combine the advantages of these product categories: It incorporates the simple handling like classic sensor technology as well as the advanced possibilities provided by image processing.

- **Active Stereo:**
  The Active Stereo method enhances the approach used in stereo vision by including an additional projection illumination. The sensor generates the contrasts on its own. This means that even low-contrast or uniform surfaces can be reliably detected. With the DTECT® Object 3D, SensoPart has developed a sensor that operates dependably and process reliably in widely differing environments without external illumination. This is made possible using the active stereo technology with an internal infrared laser as the light source. No additional hardware, such as illumination, PC or programming, is required.

Highlights:
- Intelligent position control and completeness monitoring
- Up to 100 fps for use in dynamic processes
- M12, 5-pin connection for easy integration
- Compact F55 housing: robust and proven
- Depth image technology with multiple patents
- Intuitive color display with depth image visualization

Further information about our DTECT® Object series:
www.sensopart.com/en/products/optical-sensors/dtect-object-3d

DTECT®
Object 3D



DTECT® Presence

By Far the Best in Object Detection

Performance and Quality, Made in Germany:
Photoelectric and diffuse sensors are standard in automation technology, and at SensoPart, you'll find the right sensor for nearly every application. Our product portfolio offers a wide selection of sizes, ranges, and switching variants. Whether you need a subminiature sensor for tight machine spaces or a large housing with extended range or scanning distance, all of our sensors share excellent performance, high reliability, and workmanship, embodying the precision and reliability of German manufacturing.

Our photoelectric and diffuse sensors provide features such as precise background suppression, highly accurate small-part detection, and reliable detection of transparent objects. They operate dependably even in harsh industrial environments: the current sensor series feature tightly sealed housings (IP67/IP69) and are resistant to cleaning agents in accordance with Ecolab standards.

Highlights:

- Sophisticated Laser Technology: Small, precise laser spots for highly accurate small-part detection
- Flexible Configuration Options: Adjustable via potentiometer, teach-in, external control cable, or fixed preset
- Variety of Light Sources: Laser, LED, or infrared transmitters to meet diverse application requirements
- Versatile IO-Link Operation: Sensors can be operated in IO-Link mode or standard I/O mode

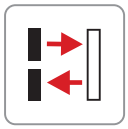
Further information about our DTECT® Presence series:
www.sensopart.com/en/products/optical-sensors/dtect-presence

DTECT® Presence Background - Photoelectric Diffuse Sensors with Background Suppression (BGS) – Sensors for Precise Distance Detection

- Accurate: Precise object detection, even under difficult lighting and background conditions.
- Reliable: Accurately detects dark, transparent, and shiny objects.
- Consistent: Avoids false triggers through targeted background suppression
- Uncomplicated: Easy installation without reflectors or complex alignment
- Innovative with BlueLight: For greater reliability in your production process

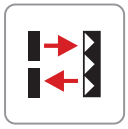
DTECT® Presence Energetic - Photoelectric Diffuse Sensors - Compact Sensor Solutions

- Reliable: Consistently detects objects with precision
- Easy Installation: Compact design allows flexible integration into existing systems without the need for a reflector or separate receiver
- Precise and Dynamic: High switching accuracy ensures precise detection, making them ideal for dynamic automation processes
- Robust Design: Durable, high-density housing provides reliable protection against external influences



DTECT® Presence Reflect - Photoelectric Retro-Reflective Sensors – Safe and Reliable Detection

- Reliable Object Detection: Accurate detection, even for challenging objects
- Easy Installation: Quick commissioning and flexible parameterization of the light barrier as needed
- Flexible Adaptation: Choice of light sources allows optimal configuration for various applications
- Robust Design: Light barrier with high-density housing provides reliable protection against dust, water, and cleaning solutions
- Advanced Detection: Autocollimation devices handle transparent objects, with or without DELTA background tracking

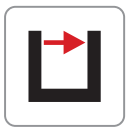


DTECT® Presence Beam - Photoelectric Through-Beam Sensors - Maximum Range and Uncompromising Precision

- Maximum Range: Stable detection over several meters
- Precise Object Detection: Clear separation of the transmitter and receiver prevents false triggers
- High Interference Immunity: Accurate detection even in dusty, bright, or temperature-variable environments
- Robust Design: Durable housing and components ensure continuous industrial operation
- Easy Integration: Convenient operation and precise alignment

DTECT® Presence Fork - Fork sensors - Experts in small part detection and counting tasks

- Simple and robust housing
- Metal or plastic housing options
- High resolution for precise small part detection
- Easy, rapid mounting without complicated adjustment

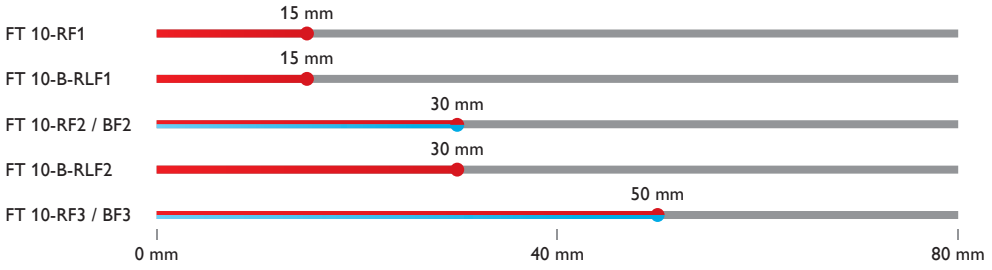


DTECT® Presence Background

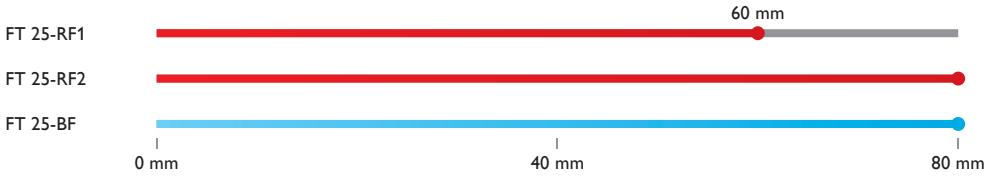
Photoelectric Diffuse Sensors with Background Suppression (BGS) – Sensors for Precise Distance Detection

Fixed Background Suppression

FT 10



FT 25



Adjustable Background Suppression

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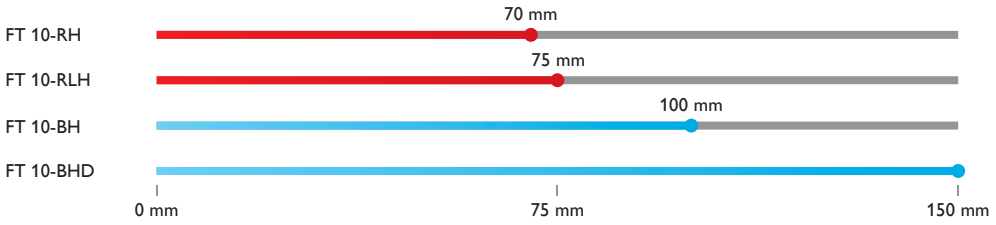

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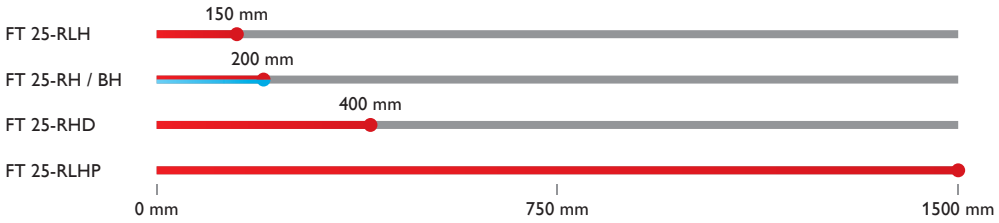
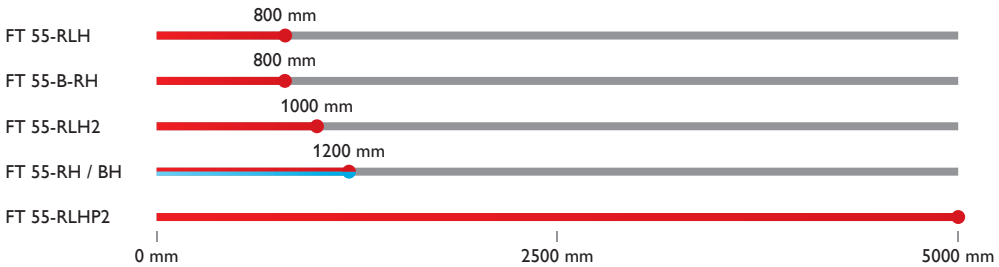


F 55 Plastic



F 55 Metal

Contrast Sensors

For Near-Field Applications (up to 250 mm)

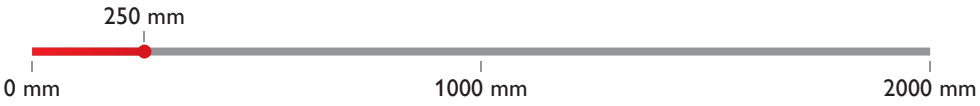
FT 25-W/-RGB

FT 25-RL

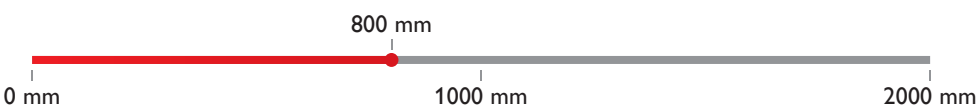
Photoelectric Diffuse Sensors

For Near-Field Applications (up to 2000 mm)

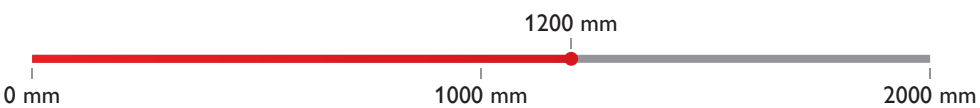
FT 25-RL



FT 25-R



FT 55-RL



FT 55-R

DTECT® Presence Reflect

Photoelectric Diffuse Sensors - Compact Sensor Solutions

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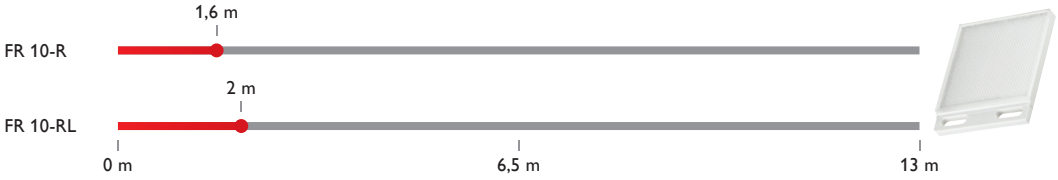

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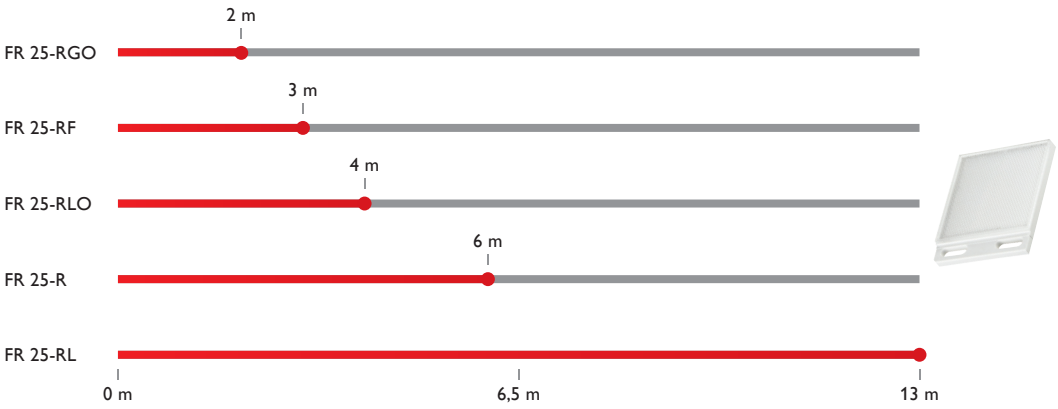
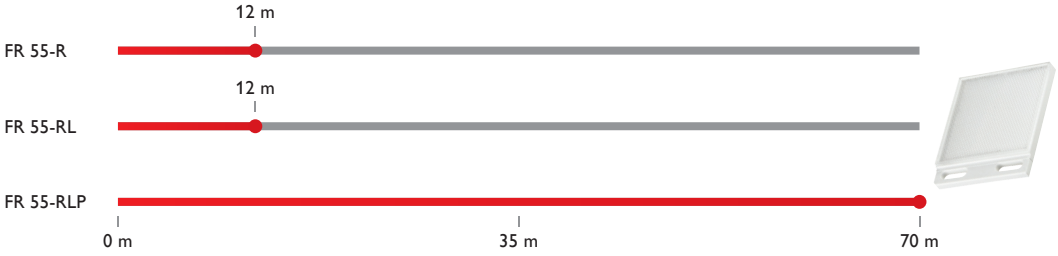


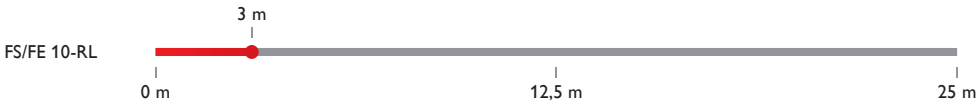
F 55 Plastic



DTECT® Presence Beam

Photoelectric Through-Beam Sensors -
Maximum Range and Uncompromising Precision

F 10



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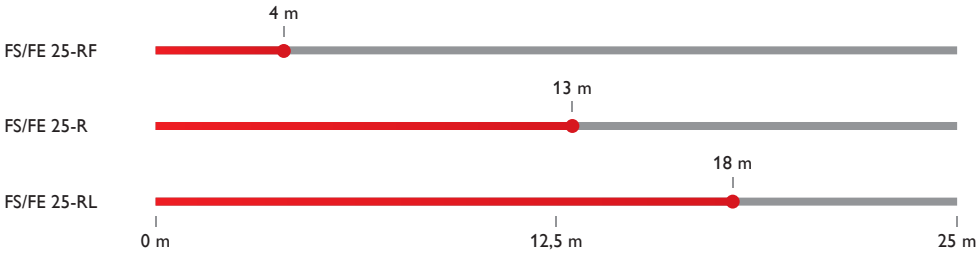
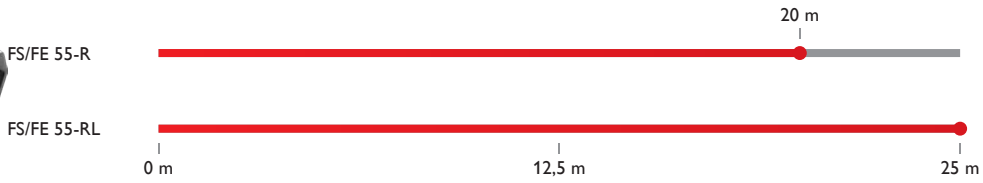


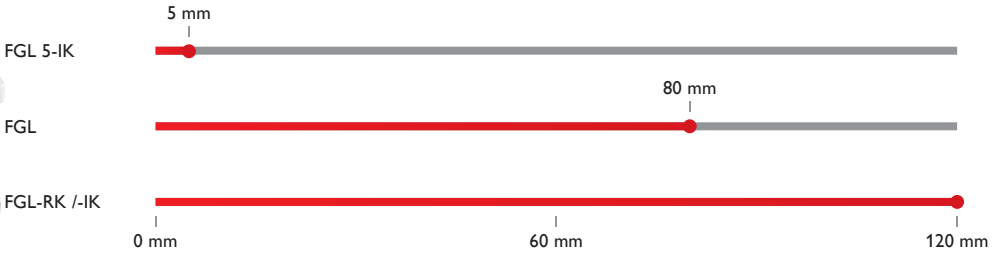
F 55
Plastic



DTECT® Presence Fork

Fork sensors -
Experts in small part detection and counting tasks

Fork



DTECT® Distance

Accurate and Non-contact Distance Measurement for Automation Technology

Distance Sensors for All Operating Ranges:
Our portfolio of DTECT® distance sensors covers a wide spectrum of industrial automation needs. Sensors designed for close-range detection operate using the optical triangulation principle, while sensors with long working ranges rely on time-of-flight (ToF) technology.

- **Triangulation for Close Range:**
  The optical triangulation principle is ideal for accurately determining short distances. Using specialized receiver optics and a position-sensitive detector — such as a photodiode array — the sensor precisely measures distance regardless of an object's reflectivity. As a result, color, surface texture, and even highly reflective materials have virtually no influence on measurement accuracy.
- **Time-of-Flight for Long Distances:**
  SensoPart uses time-of-flight technology (ToF) to measure longer distances (Up to 70 meters with a reflector and up to 5 meters without one). The sensor emits pulsed laser light that is reflected by the target object. The distance to the object is determined by the time taken between emission and reception of the light.

Highlights:
- Fast and precise distance measurement for exact positioning
- IO-Link sensors can be operated in IO-Link or standard I/O mode
- Multiple interface options: Analog, serial, or IO-Link
- Reliable detection of a wide variety of materials

Further information about our DTECT® Distance series:
www.sensopart.com/en/products/optical-sensors/dtect-distance

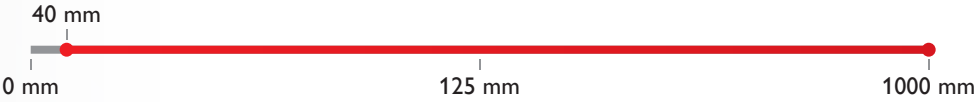
Triangulation sensors

For Near-Field Applications (up to 1000 mm)

FT 10-RLA

FT 25-R(L)A

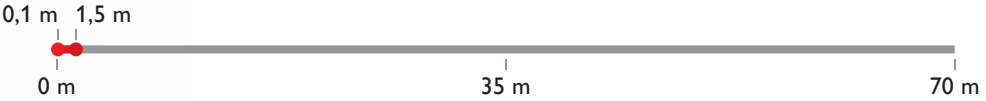
FT 55-RL(2)AM



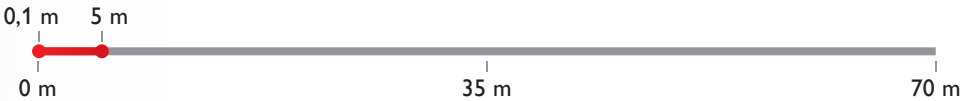
Time-of-Flight sensors

For Long Working Distances (up to 70 m)

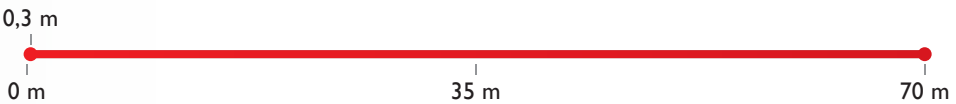
FT 25-RLAP



FT 55-RLAP



FR 55-RLAP



DTECT® Color

Versatile Color Sensing

In modern Printing systems, sensors for detecting print marks are essential for process control. These can operate based on contrast or, in the case of difficult color codes, also based on color.

However, color sensors also play a role in applications where one would not expect them to be used: for example, to detect stickers at the ends of coils, to detect very thin objects in assembly processes, or to detect objects on conveyors.

Sensors for Precise Color Detection

Our color sensors use spectral analysis to distinguish a wide range of colors, as well as saturation and brightness levels. Many models also include a teach-in function to set color tolerances individually, and some can store multiple colors to enable quick product changes.

Advantages of Color Detection:

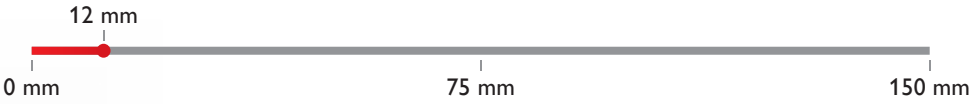
- Contactless and Fast: Reliable detection even at high production speeds
- Robust Performance: Unaffected by deviations in object shape or position
- Material-Independent: Works regardless of material or reflective properties (with the appropriate sensor)
- Flexible: Adapts easily to changing products or production steps
- High Process Reliability: Accurate detection even with minimal color differences or challenging lighting conditions

Highlights:

- Powerful Color Detection: Reliable identification of objects based on color
- High Precision and Speed: Detects even the finest color, gray value differences, and non-colors
- Accurate Print Mark Detection: Fast and reliable reading of printed marks
- Flexible Integration: Numerous outputs and interfaces for easy connection to machine controls
- IO-Link Compatibility: Sensors can operate in IO-Link or standard I/O mode

Further information about our DTECT® Color series:
www.sensopart.com/en/products/optical-sensors/dtect-color

FT 25-C



FT 55-CM

Overview DTECT® Optical Sensors

Housing Dimensions (H x B x T)	F 10 21,1 x 14,6 x 8 mm					F 25 34 x 20 x 12 mm					F 55 Metal 50 x 50 x 25 mm				
	Description	Range				Description	Range				Description	Range			
DTECT® Object															
3D-Object Sensors															
DTECT® Distance															
Distance Sensors	FT 10-RLA	70 mm		✓	✓	FT 25-RLA	100 mm			✓	✓	FT 55-RLAM-160	200 mm	✓	✓	✓
						FT 25-RA	80 mm				✓	FT 55-RLAM-320	400 mm	✓	✓	✓
						FT 25-RA	200 mm				✓	FT 55-RLAM-480	600 mm	✓	✓	✓
						FT 25-RLAP	1500 mm		✓	✓	✓	FT 55-RLAM-800	1000 mm	✓	✓	✓
DTECT® Color															
Color Sensors						FT 25-C	12 mm				✓	FT 55-CM1	32 mm		✓	✓
												FT 55-CM3	60 mm		✓	✓
												FT 55-CM4	150 mm		✓	✓
DTECT® Presence															
Photoelectric Diffuse Sensors						FT 25-RL	250 mm			✓	✓					
						FT 25-R	800 mm				✓					
Photoelectric Diffuse Sensors with Fixed Background Suppression (BGS)	FT 10-B-RLF	15/30 mm		✓		FT 25-RF	60/80 mm				✓					
	FT 10-RF	15/30/50 mm				FT 25-BF	80 mm	✓								
	FT 10-BF	30/50 mm	✓													
Photoelectric Diffuse Sensors with Adjustable Background Suppression (BGS)	FT 10-RLH	75 mm		✓	✓	FT 25-RLHP	1500 mm			✓	✓	FT 55-RLHM-600	600 mm	✓	✓	✓
	FT 10-BH	100 mm	✓		✓	FT 25-RLH	150 mm			✓	✓	FT 55-RLHM-1000	1000 mm	✓	✓	✓
	FT 10-BHD	150 mm	✓		✓	FT 25-RH	200 mm				✓					
	FT 10-RH	70 mm			✓	FT 25-BH	200 mm	✓			✓					
						FT 25-RHD	400 mm				✓					
Photoelectric Retro-Reflective Sensors	FR 10-RL	2 m		✓		FR 25-RL	13 m			✓	✓					
	FR 10-R	1,6 m				FR 25-R	6 m				✓					
						FR 25-RF	3 m									
						FR 25-RGO	2 m				✓					
						FR 25-RLO	4 m			✓	✓					
Photoelectric Through-Beam Sensors	FS/FE 10-RL	3 m		✓		FS/FE 25-RL	18 m			✓	✓					
						FS/FE 25-R	13 m				✓					
						FS/FE 25-RF	4 m									
Color and Contrast Sensors						FT 25-RL	250 mm			✓	✓					
						FT 25-W	12 mm				✓					
						FT 25-RGB	12 mm				✓					

= BlueLight | = Active Stereo | = Laser | Laser standard IEC 60825-1:2014 | = Display

= Time-of-Flight | = IO-Link

F 55 Plastic
50 x 50 x 23 mm

DTECT® Object
54 x 50 x 25 mm

FGL
Fork Widths: 30 mm / 50 mm / 80mm / 120 mm

Housing
Dimensions (H x B x T)

Description	Range					Description	Range					Description	Range	Housing
DTECT® Object														
						DO3D-W135	**200 mm**	✓	✓	✓	✓			3D-Object Sensors
						DO3D-W230	**500 mm**	✓	✓	✓	✓			
DTECT® Distance														
FT 55-RLAP	**5 m**		✓	✓	✓									Distance Sensors
FR 55-RLAP	**70 m**		✓	✓	✓									
FT 55-RLAP2	**5 m**		✓	✓	✓									
DTECT® Color														
														Color Sensors
DTECT® Presence														
FT 55-RL	**1,2 m**			✓										Photoelectric Diffuse Sensors
FT 55-R	**2 m**													
														Photoelectric Diffuse Sensors with Fixed Background Suppression (BGS)
FT 55-RLH	**800 mm**			✓										Photoelectric Diffuse Sensors with Adjustable Background Suppression (BGS)
FT 55-RLH2	**1 m**			✓										
FT 55-B-RH	**800 mm**													
FT 55-RH	**1, 2 m**													
FT 55-BH	**1, 2 m**	✓												
FT 55-RLHP2	**5 m**			✓	✓									
FR 55-RL	**12 m**			✓										Photoelectric Retro-Reflective Sensors
FR 55-R	**12 m**													
FR 55-RLP	**70 m**			✓										
FS/FE 55-RL	**25 m**			✓								FGL-RK /-IK	**120 mm**	Photoelectric Through-Beam Sensors
FS/FE 55-R	**20 m**											FGL 5-IK	**5 mm**	
												FGL	**80 mm**	
														Color and Contrast Sensors

Looking for sensing that simply **works?**

DTECT it.

Optical sensors for every application

We are SensoPart

www.sensopart.com

SensoPart is a leading manufacturer of photoelectric sensors and machine vision sensors for factory automation. We also offer inductive and ultrasonic sensors, covering a wide spectrum of industrial automation tasks. Our products are used in a variety of industries, including automotive assembly, mechanical engineering, electronics manufacturing, solar, food, and pharmaceuticals. We take great pride in our renowned, German-made quality products, developed and manufactured at our two facilities in Germany and shipped worldwide.

made in Germany

SensoPart worldwide

With our global network and worldwide subsidiaries, we are always ready to support you.

You can find your local team at:
www.sensopart.com/contact

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