



## SmartReflect® Transparent.

### Detection of transparent objects without compromises

The O300 and O500 *SmartReflect*® Transparent sensors set new standards in the detection of transparent objects. The light barrier without a reflector is the only sensor in its class to detect transparent objects of any shape or structure up to a distance of 1 meter.

Both sizes are available in plastic and high grade stainless steel. Thanks to this variety, *SmartReflect*® Transparent sensors are the ideal solution in all areas of the packaging industry.

- Universal detection of transparent objects thanks to configurable degrees of sensitivity
- Unrivalled extended sensing range of up to 1 meter
- Precise object detection thanks to a mere 0.25 ms response time
- EHEDG and FDA compliant hygiene design in stainless steel
- Ultimate robustness and impermeability in harsh environments thanks to Ecolab, IP 69K and *proTect*+



## SmartReflect® – the light barrier without reflector

With *SmartReflect*® Baumer has reinvented the optical light barrier: The reflector as the weak point is eliminated and highly reliable object detection is still guaranteed.

- Reliable object detection independent of their shape, color or surface finish
- Higher level of process reliability and reduced operating costs thanks to the elimination of the reflector



# Product overview



## O300 *SmartReflect*® Transparent

Housing design	Sensor principle	Light source	Range	Output function	Connection	Order code
Plastic	<i>SmartReflect</i> ®	Baumer <i>PinPoint</i> LED	300 mm	Push-Pull / IO-Link	Cable Connector M8	O300.SPT-11136905 O300.SPT-11136906
Stainless steel in hygienic design	<i>SmartReflect</i> ®	Baumer <i>PinPoint</i> LED	300 mm	Push-Pull / IO-Link	Cable connector M8	O300H.SPT-11136925 O300H.SPT-11136926
Stainless steel in washdown design	<i>SmartReflect</i> ®	Baumer <i>PinPoint</i> LED	300 mm	Push-Pull / IO-Link	Connector M8	O300W.SPT-11136922

## O500 *SmartReflect*® Transparent

Housing design	Sensor principle	Light source	Range	Output function	Connection	Order code
Plastic	<i>SmartReflect</i> ®	Baumer <i>PinPoint</i> LED	1000 mm	Push-Pull / IO-Link	Cable Connector M12	O500.SPT-11136920 O500.SPT-11136921
Stainless steel in hygienic design	<i>SmartReflect</i> ®	Baumer <i>PinPoint</i> LED	1000 mm	Push-Pull / IO-Link	Cable connector M12	O500H.SPT-11136929 O500H.SPT-11136930
Stainless steel in washdown design	<i>SmartReflect</i> ®	Baumer <i>PinPoint</i> LED	1000 mm	Push-Pull / IO-Link	Connector M12	O500W.SPT-11136924

## Using sensor intelligence the smart way.

Besides the fast and easy adjustment of the sensors using the unique, wear-free *qTeach*® procedure, the *SmartReflect*® Transparent also offers the option of automated parameterization in all models using the IO-Link interface. However, IO-Link supports not only the bi-directional transmission of sensor parameters like measuring ranges or sensitivity levels for fast for fast format changes. The interface also supplies qualified process and diagnostic data for optimized, cost-saving maintenance processes. This means that the IO-Link sensors by Baumer are "Ready for Industry 4.0".



 **Baumer**  
Passion for Sensors

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