

# O300 and O500 stainless steel light barriers and diffuse sensors.

Hygienic and extremely robust photoelectric sensors for harsh environments

The new O300 and O500 stainless steel sensors offer uncompromisingly hygienic properties and robustness tested with extreme parameters to guarantee food and operational safety.

The portfolio offers a wide range of combination options including different sensing principles, ranges and three housing designs for any application. Thanks to the easy alignment of the sensors with *qTarget*<sup>®</sup> and the secure and wear-free teaching procedure *qTeach*<sup>®</sup>, the sensors are very easy to install and to operate.



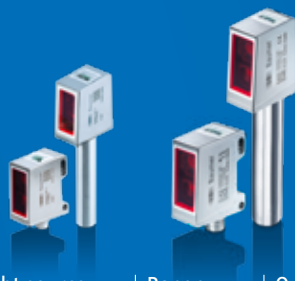
- Food safety thanks to EHEDG and FDA compliant hygienic design and Ecolab certification
- World's first hygienic sensor with a convenient magnetic *qTeach*<sup>®</sup> procedure for adjusting the sensing distance directly at the sensor
- Resilient and durable washdown design with IP 69K protection and Ecolab certification
- Utmost reliability and resistance in harsh environments thanks to Baumer *proTect*<sup>+</sup>, the extra plus in machine availability
- Automatic parameterization via IO-Link



## Baumer *proTect*<sup>+</sup> for the plus of reliability

The *proTect*<sup>+</sup> impermeability concept by Baumer ensures absolute dependability even under most adverse conditions. Thanks to the specifically conceived design and the use of high-quality materials, the sensors which were shock-tested throughout the entire temperature range solidly maintain IP 69K protection and absolute stability even after countless temperature cycles. *proTect*<sup>+</sup> ensures enhanced reliability and hence extended sensor service life.

# Product overview



## O300 series in stainless steel

Housing design	Sensor principle	Light source	Range	Output function	Connection	Order code
Stainless steel in hygienic design	Diffuse sensor with background suppression	<i>PinPoint</i> LED	200 mm	Push-Pull / IO-Link	Cable Cable connector M12	O300H.GP-11127745 O300H.GP-11157157
	Retro-reflective sensor	<i>PinPoint</i> LED	6000 mm	Push-Pull	Cable Cable connector M12	O300H.RP-11127716 O300H.RP-11157327
	<i>SmartReflect</i> <sup>®</sup>	<i>PinPoint</i> LED	300 mm	Push-Pull / IO-Link	Cable Cable connector M12	O300H.SP-11127754 O300H.SP-11136904
	<i>SmartReflect</i> <sup>®</sup> Transparent	<i>PinPoint</i> LED	300 mm	Push-Pull / IO-Link	Cable Cable connector M12	O300H.SPT-11136925 O300H.SPT-11136926
Stainless steel in washdown design	Diffuse sensor with background suppression	<i>PinPoint</i> LED	200 mm	Push-Pull / IO-Link	Connector M12	O300W.GP-11127755
	Retro-reflective sensor	<i>PinPoint</i> LED	6000 mm	Push-Pull	Connector M12	O300W.RP-11127720
	<i>SmartReflect</i> <sup>®</sup>	<i>PinPoint</i> LED	300 mm	Push-Pull / IO-Link	Connector M12	O300W.SP-11127758
	<i>SmartReflect</i> <sup>®</sup> Transparent	<i>PinPoint</i> LED	300 mm	Push-Pull / IO-Link	Connector M12	O300W.SPT-11136922

## O500 series in stainless steel

Housing design	Sensor principle	Light source	Range	Output function	Connection	Order code
Stainless steel in hygienic design	Diffuse sensor with background suppression	<i>PinPoint</i> LED	400 mm	Push-Pull / IO-Link	Cable Cable connector M12	O500H.GP-11125101 O500H.GP-11125102
	Retro-reflective sensor	<i>PinPoint</i> LED	8000 mm	Push-Pull	Cable Cable connector M12	O500H.RP-11107831 O500H.RP-11107832
	<i>SmartReflect</i> <sup>®</sup>	<i>PinPoint</i> LED	600 mm	Push-Pull / IO-Link	Cable Cable connector M12	O500H.SP-11125106 O500H.SP-11125107
	<i>SmartReflect</i> <sup>®</sup> Transparent	<i>PinPoint</i> LED	1000 mm	Push-Pull / IO-Link	Cable Cable connector M12	O500H.SPT-11136929 O500H.SPT-11136930
Stainless steel in washdown design	Diffuse sensor with background suppression	<i>PinPoint</i> LED	400 mm	Push-Pull / IO-Link	Connector M12	O500W.GP-11125092
	Retro-reflective sensor	<i>PinPoint</i> LED	8000 mm	Push-Pull	Connector M12	O500W.RP-11107745
	<i>SmartReflect</i> <sup>®</sup>	<i>PinPoint</i> LED	600 mm	Push-Pull / IO-Link	Connector M12	O500W.SP-11125098
	<i>SmartReflect</i> <sup>®</sup> Transparent	<i>PinPoint</i> LED	1000 mm	Push-Pull / IO-Link	Connector M12	O500W.SPT-11136924

For more information about our O300/O500 stainless steel portfolio go to:  
[www.baumer.com/O300-O500](http://www.baumer.com/O300-O500)



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