Smart Reflect®

Light barrier without reflector



TCO savings

Smart Reflect® allows for a reliable barrier between the sensor and a machine part. Since the sensor operates without a reflector, the number of components installed is reduced, thereby minimizing maintenance and cleaning costs.

Reliable detection of transparent objects

Smart Reflect® sensors feature a patented algorithm for detecting transparent objects of any shape or structure. This makes them suitable for a wide range of objects and industries, such as vials in pharma applications, PET or glass bottles in the beverage industry, or trays in the food sector.

Unique portfolio

Whether using triangulation or time-of-flight technology, *Smart Reflect*® sensors are the right solution for a wide range of object requirements. With different light sources and beam geometries, as well as versions with plastic housings or hygienic and washdown designs, our sensors can be customized to suit your application.

Smart Reflect® portfolio at a glance

	Light beam	Sensing range	Response time	PinPoint LED	Laser	IO-Link	Transparent variant**	Hygienic variant	Washdown variant
Miniature									
O200.SP	Point	25 … 180 mm	< 0.5 ms	▪		▪	▪		
O200.SL	Point	25 … 180 mm	< 0.5 ms		▪	▪	▪		
O300.SP	Point	30 … 300 mm	< 0.49 ms	▪		▪	▪	▪	▪
	Line	30 … 120 mm	< 1.5 ms	▪		▪		▪	
O300.SL	Point	30 … 250 mm	< 0.25 ms		▪	▪	▪	▪	▪
	Line	30 … 120 mm	< 1.5 ms		▪	▪			
Standard									
O500.SP		60 … 1200 mm	< 4 ms	▪		▪	▪	▪	▪
ONDK 25		100 …1900 mm	< 10 ms		▪				
Cylindrical									
OR18.SP		55 … 300 mm	< 0,49 ms	▪					
Time-of-Flight									
OT200.SN*		300 … 2000 mm	< 50 ms		▪	▪			
OT330.SN*		300 … 2500 mm	< 50 ms		▪	▪			
OT300.SL		400 … 1800 mm	< 8 ms		▪	▪		▪	▪
OT500.SL		500 … 2500 mm	< 8 ms		▪	▪		▪	▪

* With infrared laser

** Response time and sensing range can differ

Baumer
Passion for Sensors

Find out more:
www.baumer.com/smartreflect