



Top performers for control of fast processes and detection of the smallest objects.

O300 miniature laser sensors

Maximum system performance

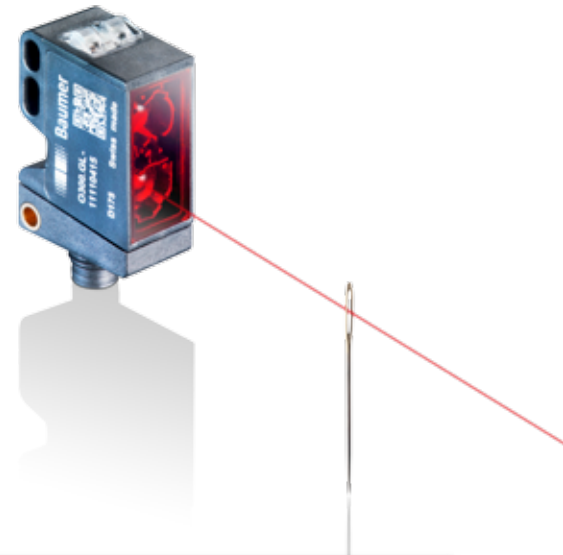
- Accurate control of fast processes thanks to a very short response time of < 0.1 ms
- The focused, 0.1 mm small laser spot reliably detects even the smallest objects and position differences down to a tenth of a millimeter

Increased product and process quality

- The high repeatability allows very precise positioning of small objects
- Stainless steel sensors in washdown and hygienic design ensure high process reliability in demanding environments

Simple design and set-up

- Easy design-in with the aid of 3D models with integrated optical axis
- Simple, flexible teach-in procedures and an aligned optical axis enable easy mounting and set-up



IIoT ready for Industry 4.0

IO-Link is a globally standardized interface for bidirectional transmission of identification, process and parameter data. It allows O300 laser sensors to be adjusted quickly and easily for applications using standard network components. In addition, IO-Link offers the possibility of providing additional data, e.g. for predictive maintenance processes.

Product data O300 laser sensors



Sensor principle	Sensing range / nominal range	Response time	Output	Housing	Connection	Order code
Diffuse sensor with background suppression		< 0.25 ms	Teach-In/ IO-Link	Plastic (ASA, PMMA) IP 67	Cable Connector M8	O300.GL-11171740 O300.GL-11171741
				Washdown Design IP 68/69 K	Connector M8	O300W.GL-11171770
				Hygienic Design IP 68/69 K	Cable Connector M8	O300H.GL-11171768 O300H.GL-11171769
Diffuse sensor with intensity difference		< 0.1 ms	Teach-In/ IO-Link	Plastic (ASA, PMMA) IP 67	Cable Connector M8	O300.ZL-11176829 O300.ZL-11176840
				Washdown Design IP 68/69 K	Connector M8	On request
				Hygienic Design IP 68/69 K	Cable Connector M8	On request
Retro-reflective sensor		< 0.1 ms	Teach-In/ IO-Link	Plastic (ASA, PMMA) IP 67	Cable Connector M8	O300.RL-11172767 O300.RL-11172769
				Washdown Design IP 68/69 K	Connector M8	O300W.RL-11172815
				Hygienic Design IP 68/69 K	Cable Connector M8	O300H.RL-11172813 O300H.RL-11172814
<i>SmartReflect</i> [®] light barrier without reflector		< 0.25 ms	Teach-In/ IO-Link	Plastic (ASA, PMMA) IP 67	Cable Connector M8	O300.SL-11176826 O300.SL-11176827
				Washdown Design IP 68/69 K	Connector M8	O300W.SL-11179009
				Hygienic Design IP 68/69 K	Cable Connector M8	O300H.SL-11179007 O300H.SL-11179008
Through Beam sensor		< 0.49 ms	Teach-In/ IO-Link	Plastic (ASA, PMMA) IP 67	Cable Connector M8	O300.TL-11176844 O300.TL-11176845
				Washdown Design IP 68/69 K	Connector M8	O300W.TL-11181228
				Hygienic Design IP 68/69 K	Cable Connector M8	O300H.TL-11181225 O300H.TL-11181227

You can find further information about additional models at:
www.baumer.com/o300laser

Find your local partners at: www.baumer.com/worldwide



Baumer Group
 International Sales
 P.O. Box · Hummelstrasse 17 · CH-8501 Frauenfeld
 Phone +41 (0)52 728 1122 · Fax +41 (0)52 728 1144
sales@baumer.com · www.baumer.com