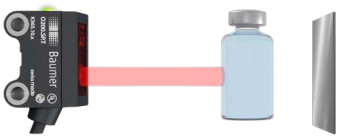
Photoelectric miniature sensors O200

A new definition of reliability

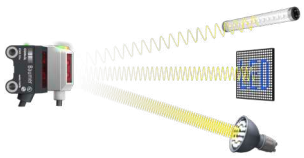




Outstanding reliability in every application



Reliable detection of transparent, shiny and reflecting objects



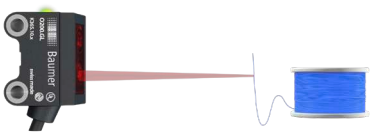
Extreme ambient light immunity for maximum detection reliability in any lighting situation

Plug & play integration



Simple design-in, installation and setup due to integrated 3D CAD beam path and aligned light beam

Excellent precision



Detection of smallest objects up to 0.05 mm and very precise object positioning up to 0.05 mm accuracy

O200 portfolio at a glance

	Diffuse sensors with background suppression		Diffuse sensors with intensity difference	SmartReflect sensors	Retro-reflective sensors	Through-beam sensors
Sensing range	3 … 132 mm	3 … 192 mm	20 … 200 mm	25 … 180 mm	≤ 4 m [1]	≤ 6 m
Light beam	Line	Point				
Light source	PinPoint LED, Laser	Red LED, PinPoint LED, IR LED, Laser	Red LED	PinPoint LED, Laser	Red LED, PinPoint LED, Laser	Red LED, IR LED, Laser
Output circuit	NPN, PNP or push-pull					
Response / Release time	≤ 0,25 ms	≤ 0,25 ms	≤ 0,25 ms	≤ 0,25 ms	≤ 0,05 ms [2]	≤ 0,1 ms [2]
Switching frequency	2 kHz	2 kHz	2 kHz	2 kHz	10 kHz	5 kHz
Interface	Red LED, PinPoint LED, Laser					
Connection	2 m cable or flylead connector M8; all versions with 4-pin					
Mounting	Smooth sleeves or threaded sleeves M3					
Operating temperature	-25 … +50 °C [3]					
Protection class	IP67					

[1] Reduced sensing range for retro-reflective sensors for transparent detection and / or with laser light source
[2] This range may vary depending on the light source
[3] For laser variants -20 ... +50 °C

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Learn more at:
www.baumer.com/O200