



Position sensors and object recognition

Open the floodgates! The new OG wetline.



Photoelectric M18 sensors optimised for harsh applications in wet areas.

- Selected materials, suited for food applications.
- Tested quality, confirmed by ECOLAB certificate.
- Consistent use of ifm's application know-how.
- Ideal sealing concept IP 67, IP 68 and IP 69K.
- Fixed ranges – simple set-up (plug & play).

IP 67
IP 68
IP 69 K

PLUG
and
PLAY

Resistant
to
aggressive
media

ECOLAB
certified

Applications for OG wetline

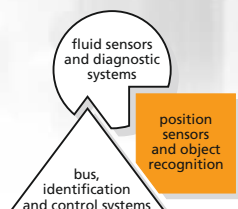
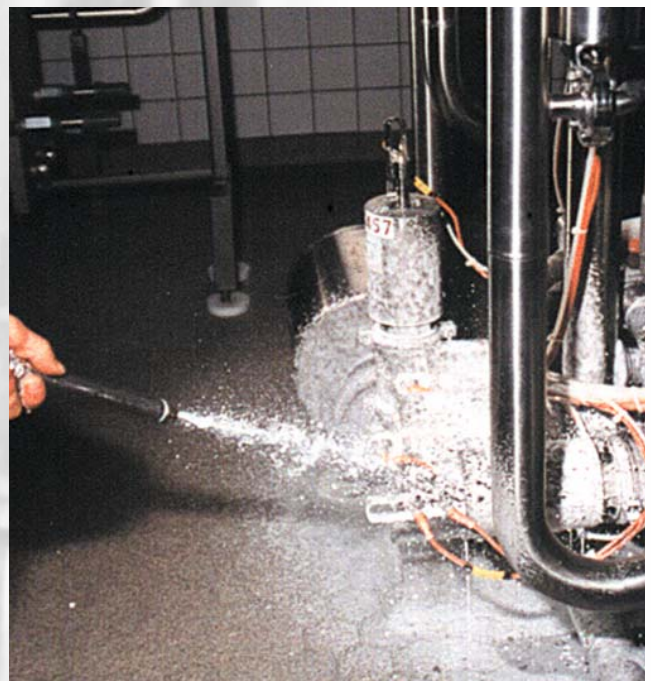
The OG wetline series was specially developed for applications in the food industry, such as in cheese plants, breweries or in the meat industry. The development was able to benefit from ifm's extensive application know-how and experience.

Robust stainless steel housing

The stainless steel housing, plastic lens and food-grade sealing material qualify the OG wetline for wet areas in the food industry, in which aggressive cleaning agents are used.

Fixed ranges

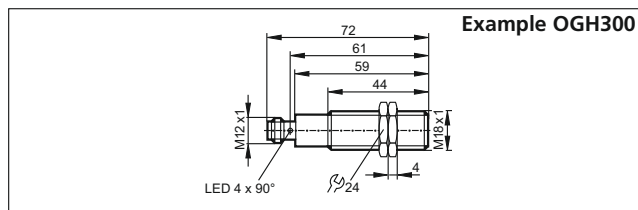
The OG wetline has fixed ranges. For the versions with background suppression there is a choice of 100 mm, 200 mm or 300 mm range.



Applications:
Hygienic and wet areas

System	Range [m]	Light spot diameter [mm]	Light-on / dark-on mode	Switching frequency [Hz]	Current consumption [mA]	Order no.
M12 connector - 3-wire DC PNP						
Diffuse reflection sensor with background suppression	0.1	8	• / -	1000	25	OGH300
	0.1	8	- / •	1000	25	OGH301
Diffuse reflection sensor with background suppression	0.2	12	• / -	1000	25	OGH302
	0.2	12	- / •	1000	25	OGH303
Diffuse reflection sensor with background suppression	0.3	15	• / -	1000	25	OGH304
	0.3	15	- / •	1000	25	OGH305
Retro-reflective sensor with polarisation filter	0.03...4	160	- / •	1000	15	OGP300
	0.03...4	160	• / -	1000	15	OGP301
Through-beam – transmitter	20	800	-	-	15	OGS300
Through-beam – receiver	20	-	- / •	1000	10	OGE300
	20	-	• / -	1000	10	OGE301

Dimensions



Common technical data






Type OG wetline	
Type of light	red light 624 nm
Operating voltage [V]	10...36 DC
Current rating [mA]	200*
Voltage drop [V]	< 2,5
Short-circuit protection, pulsed	•
Reverse polarity / overload protection	• / •
Operating temperature [°C]	-25...80
Function display	LED
Switching status	yellow
Materials	Housing: high-grade stainless steel Lens: PMMA Sealing: EPDM
Protection	IP 67 / IP 68 / IP 69K, II

*up to 60 °C, followed by a constant linear decrease to 150 mA at 80 °C

Accessories

Type	Description	Order no.
	Mounting set M18, short bracket with clamp Ø 12 mm, stainless steel	E21206
	Mounting set M18, long bracket with clamp Ø 12 mm, stainless steel	E21207
	Cylinder bolt, M10 x 45 mm, high-grade stainless steel	E21209
	Mounting rod, 100 mm, Ø 12 mm, M10 thread, stainless steel	E20938
	Mounting rod, 200 mm, Ø 12 mm, M10 thread, stainless steel	E20940
	Angle bracket for type M18, stainless steel	E10736

Connectors and splitter boxes

Type	Description	Order no.
	Socket, M12, 4-pole, 5 m orange, PVC cable	EVT001
	Socket, M12, 4-pole, 10 m orange, PVC cable	EVT002
	Socket, M12, 4-pole, 5 m orange, PVC cable	EVT004
	Socket, M12, 4-pole, 10 m orange, PVC cable	EVT005
	Socket, M12, 4-pole, 5 m orange, PVC cable, LED	EVT007
	Socket, M12, 4-pole, 10 m orange, PVC cable, LED	EVT008

ifm article no. 7511317 · Printed in Germany on non-chlorine paper · We reserve the right to make technical alterations without prior notice · 11.2008

Position sensors and object recognition