



Full metal housing inductive sensors for the food industry.



Tough: extremely resistant to chemical influences and temperature shocks.

- Food-grade housing materials.
- High ingress resistance IP 67 / IP 68 / IP 69K.
- Wide temperature range: 0...100 °C.
- Resistant to high-pressure cleaning and aggressive cleaning agents.
- Lasered type label: permanently legible.

High-grade stainless steel	Operating temperature up to 100°C	IP 67 IP 68 IP 69 K	Resistant to aggressive media
----------------------------	-----------------------------------	---------------------------	-------------------------------

Ingress-resistant in hygienic and wet areas

The sensors for use up to 100 °C undergo frequent cleaning operations, temperature shocks and feature high resistance to cleaning agents.

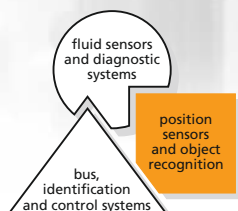
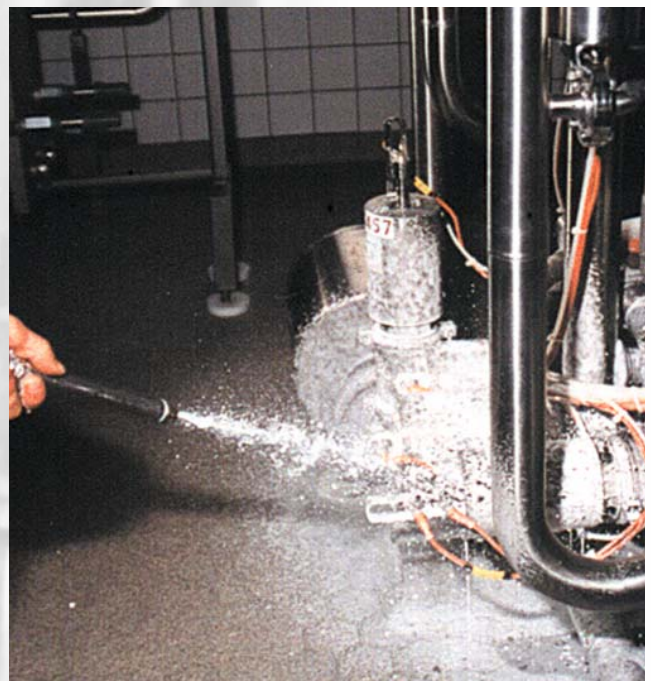
Materials

The threaded body and the sensing face of the housing are made of stainless steel.


Application tests

A series of tests qualified the sensors for food applications:

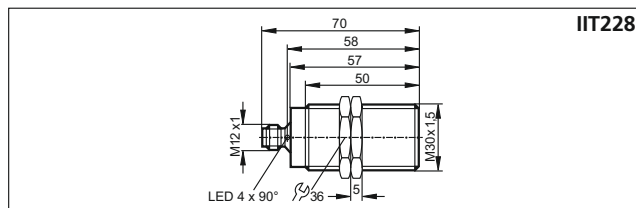
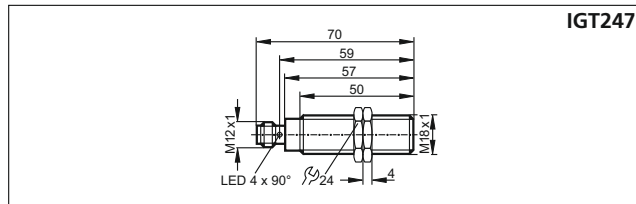
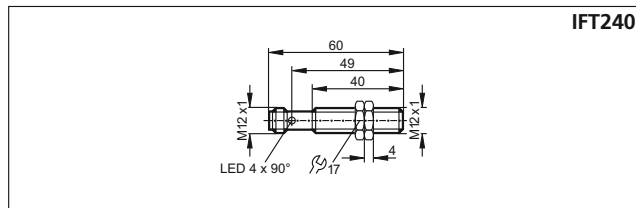
- temperature shock test
- 1000-h long-term test
- steam boiler test



Applications:
Hygienic and wet areas

Type	Dimensions Length [mm]	Sensing range [mm]	f [Hz]	Operating temperature [°C]	Housing material	I _{load} [mA]	Order no.
M12 connector · output function  · 3-wire DC PNP							
M12	L = 60	3 f	100	0...100	high-grade stainless steel	100	IFT240
M18	L = 70	5 f	100	0...100	high-grade stainless steel	100	IGT247
M30	L = 70	10 f	50	0...100	high-grade stainless steel	100	IIT228

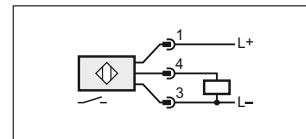
Dimensions









Common technical data

Type IFT, IGT, IIT		
Operating voltage	[V DC]	10...36
Current consumption	[mA]	< 20
Short-circuit protection, pulsed		•
Reverse polarity / overload protection		• / •
Voltage drop	[V]	< 2.5
Protection rating		IP 67 / IP 68 / IP 69K
Switching status	LED	yellow (4 x 90°)





Wiring diagram



Connectors and splitter boxes

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

Accessories

Type	Description	Order no.
	Angle bracket for type M12, stainless steel	E10735
	Angle bracket for type M18, stainless steel	E10736
	Angle bracket for type M30, stainless steel	E10737
	Mounting clip for type M12, stainless steel	E11533
	Mounting clip for type M18, stainless steel	E11534

ifm article no. 7511276 · Printed in Germany on non-chlorine paper. · We reserve the right to make technical alterations without prior notice. · 04.2008