



Sensors for the Food Industry

ECD provides an extensive line of Baumer products for the Food and Beverage industry. Baumer products include high-performance sensors, encoders and cameras for food packaging, filling, storage or quality control. Baumer sensors with a hygienic design are reliable components which decisively support product quality and process stability. Features include:

- Washdown compatible – no need to cover w/ a bag
- Long life & high reliability
- Contaminants & cleaning agent resistant
- Hygienic design allows food-grade cleaning
- Reduced operational costs
- Easy set-up reduces installation time



Baumer
Passion for Sensors

Photoelectric Sensors

	Hygienic	Washdown	Hygienic	Washdown	Hygienic	Washdown	Hygienic	Washdown	Hygienic	Washdown
Part No.	FHDH 14	FHDR 14	FNDH 14	FNDR 14	FPDH 14	FPDR 14	FKDH 14	FKDR 14	FADH 14	FADR 14
Sensing distance	400 mm		800 mm		3500 mm		12,5 mm		400mm	
Response time	< 1,8 ms		< 1,8 ms		< 1 ms		50 µs		< 5 ms	
Light source	Red		Red		Red		White		Red	

Inductive Sensors & Proximity Switches

Proximity switches		Hygienic	Washdown	Hygienic	Washdown	Hygienic	Washdown	Distance sensor	
Part No.		IFBR 06	IFRR 08	IFBR 11	IFRR 12	IFBR 17	IFRR 18	Part No.	IWRR 18
Diameter/thread		ø 6,5 mm	M8 x 1	ø 11 mm	M12 x 1	ø 17 mm	M18 x 1	Thread	M18 x 1
Rated sensing distance	shielded	-		4 mm		8 mm		Measuring distance	7 mm
	unshielded	3 mm		6 mm		12 mm		Resolution	< 5 µm

**Call Dale Krapf w/ ECD at 847-987-4661 to request a
FREE on-site demo or product samples**





Food Industry Standards & Applications

Baumer sensors are suitable for a variety of applications and comply with the industrial guidelines for hygiene, including FDA and EHEDG guidelines, as well as special CIP and SIP process requirements with regard to materials, surface quality, process stability and connection technology. Hygienic design means all products feature smooth, continuous or sealed surfaces, corrosion-resistant materials as well as flush and hygienic connections. Baumer instruments perform pressure, temperature and level measurement tasks during food processing with maximum precision.



Standards and Approvals

- Impermeability design
- Stainless steel V4A housing w/ protection class IP 69K
- ECOLAB tested and FDA compliant
- Consistent hygienic design
- Wide temperature range
- Laser inscription



Applications

- Food processing & production
- Storage & packing processes
- Filling & bottling processes
- Profile measurement for determining volume
- Detecting covers and caps
- Creating buffer areas
- Monitoring sorting gates
- Recognizing print marks



Baumer
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ECD provides a complete line of Baumer products for a variety of applications within the food and beverage industry. The range of products includes:

- Pressure sensors
- Temperature sensors
- Level monitoring sensors
- Conductivity sensors
- Force and strain sensors
- Photoelectric sensors
- Inductive and capacitive sensors
- Ultrasonic sensors
- Vision sensors
- Encoders
- Actuators and positioning drives
- Industrial cameras

For more information on Baumer products, please call ECD at 847-516-2524.

