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

### Photoelectric Sensors

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Hygienic</th>
<th>Washdown</th>
<th>Hygienic</th>
<th>Washdown</th>
<th>Hygienic</th>
<th>Washdown</th>
<th>Hygienic</th>
<th>Washdown</th>
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</tr>
</thead>
<tbody>
<tr>
<td>FHDH 14</td>
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<td>FHDR 14</td>
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<td>FNDH 14</td>
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<td>FPDH 14</td>
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<td>FKDH 14</td>
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<tr>
<td>Sensing distance</td>
<td>400 mm</td>
<td>800 mm</td>
<td>3500 mm</td>
<td>12.5 mm</td>
<td>400 mm</td>
<td></td>
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<tr>
<td>Response time</td>
<td>&lt; 1.8 ms</td>
<td>&lt; 1.8 ms</td>
<td>&lt; 1 ms</td>
<td>50 µs</td>
<td>&lt; 5 ms</td>
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<tr>
<td>Light source</td>
<td>Red</td>
<td>Red</td>
<td>Red</td>
<td>White</td>
<td>Red</td>
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### Inductive Sensors & Proximity Switches

<table>
<thead>
<tr>
<th>Proximity switches</th>
<th>Hygienic</th>
<th>Washdown</th>
<th>Hygienic</th>
<th>Washdown</th>
<th>Hygienic</th>
<th>Washdown</th>
<th>Hygienic</th>
<th>Washdown</th>
<th>Part No.</th>
<th>IWRR 18</th>
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<tbody>
<tr>
<td>Part No.</td>
<td>IFBR 06</td>
<td>IFRR 08</td>
<td>IFBR 11</td>
<td>IFRR 12</td>
<td>IFBR 17</td>
<td>IFRR 18</td>
<td>Part No.</td>
<td>IWRR 18</td>
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<tr>
<td>Diameter/thread</td>
<td>Ø 6.5 mm</td>
<td>M8 x 1</td>
<td>Ø 11 mm</td>
<td>M12 x 1</td>
<td>Ø 17 mm</td>
<td>M18 x 1</td>
<td>Thread</td>
<td>M18 x 1</td>
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<tr>
<td>Rated sensing</td>
<td>shielded</td>
<td>-</td>
<td>4 mm</td>
<td>8 mm</td>
<td>Measuring</td>
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<td>distance</td>
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<td>Resolution</td>
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<td>&lt; 5 µm</td>
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</tbody>
</table>

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

www.ecdcontrols.com

1000 Meyer Drive Crystal Lake, IL 60014 Ph: 847-516-2524 Fax: 847-516-3275
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

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.