

## Product Update

### **Stainless Steel Fork Sensors** **Rugged self-contained through-beams**

Balluff's newest addition to the industry's leading line of fork sensors now includes IP69K rated stainless steel self-contained through-beam sensors designed for the most challenging environments. These robust sensors incorporate a 316L stainless steel housing that is able to withstand aggressive cleaning solutions, coolants, and lubricants. The protection provided by the housing makes these sensors the ideal choice for food and beverage, packaging, metalworking and pharmaceutical industries.

Available in 50mm and 80mm widths, these sensors feature normally open and normally closed outputs to solve most applications and allow for easy integration into control schemes. Powerful infrared light sources solve applications with mist and other airborne particulates and red light allows for easy alignment in general applications. LED's for power and switching indication in the connector allow for easy troubleshooting and sensor status.

The "F" series of C / U slot or fork sensors are universal self-contained through-beam sensors. These new sensors complement Balluff's extensive line of fork sensors that include red light, infrared, pin-point red light and laser light sources and width openings up to 220mm. Also included in this family of sensors are versions for transparent detection, liquid detection and analog outputs for edge positioning.

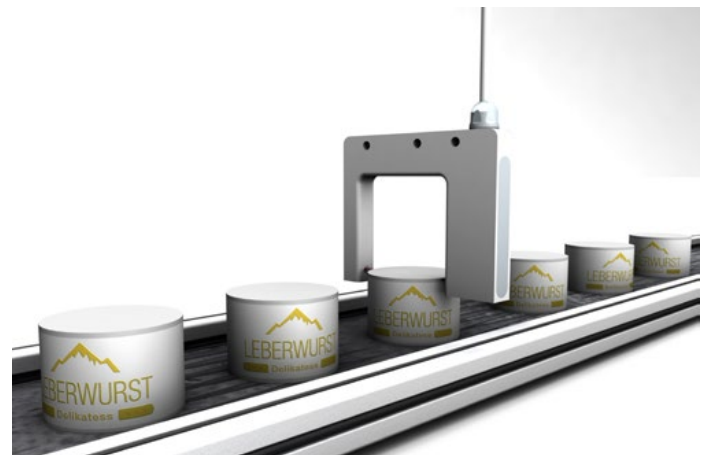


#### Features:

- IP69K 316L stainless steel housing
- LED's in the connector
- Red light and infrared light sources
- Normally open and normally closed outputs
- Easy installation - no alignment required
- PMMA optics for food and beverage applications

#### Industries:

- Food and Beverage
- Pharmaceutical
- Semiconductor
- Life Science
- Automotive
- Metal Forming



Ordering Code	Part Number	Light Source	Fork Width	Output	Outputs (2X)	Resolution	Switching Type	Frequency	Connector
BGL004L	BGL 50F-001-00,2-S4	Red Light	50 mm	PNP	■	0.8 mm	Light/Dark	3 KHz	M12, 4-pin
BGL004M	BGL 50F-007-00,2-S4	Infrared	50 mm	PNP	■	2 mm	Light/Dark	2 KHz	M12, 4-pin
BGL004N	BGL 80F-001-00,2-S4	Red Light	80 mm	PNP	■	0.8 mm	Light/Dark	3 KHz	M12, 4-pin
BGL004P	BGL 80F-007-00,2-S4	Infrared	80 mm	PNP	■	2 mm	Light/Dark	2 KHz	M12, 4-pin

#### Suggested cables:

- BCC0AH2 - BCC S415-0000-1A-003-VX44T2-\*\*\* Straight M12, 4 pin  
 BCC0AHJ - BCC S425-0000-1A-003-VX44T2-\*\*\* Right Angle M12, 4 pin