

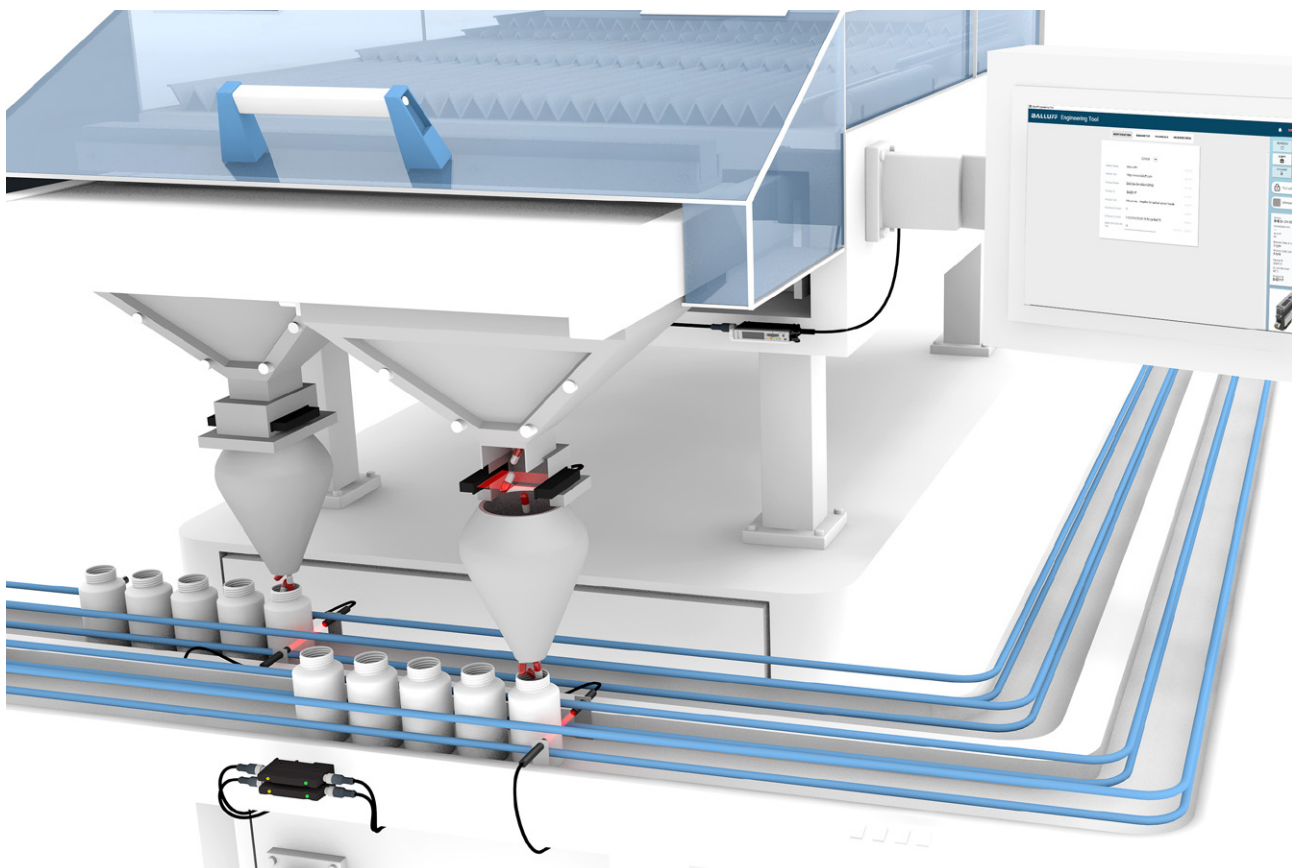
## Makes BOH sensor heads IO-Link capable

# THE NEW AMPLIFIER GENERATION BAE

Precise detection, counting and packaging. BOH photoelectric sensors are the right choice for small-scale processes in the filling and packaging industry. They work precisely and without contact – and thus ensure high process reliability. With the new BAE SA-OH amplifiers from Balluff, you can now take your tablet filling to the next, smart level: Because with them, all sensors of the BOH family can be parameterized, monitored and controlled centrally via IO-Link. And: Thanks to the amplifiers' diverse variants and modes, you always remain flexible when your requirements change.

### Features

- Compatible to all BOH Sensor heads
- IO-Link functionality including counters and monitoring
- Intuitive usability ensures fast and efficient set up
- Various Operating and Speed Modes to fit every used case
- Synchronization of up to 8 devices



Precise detection, counting and packaging

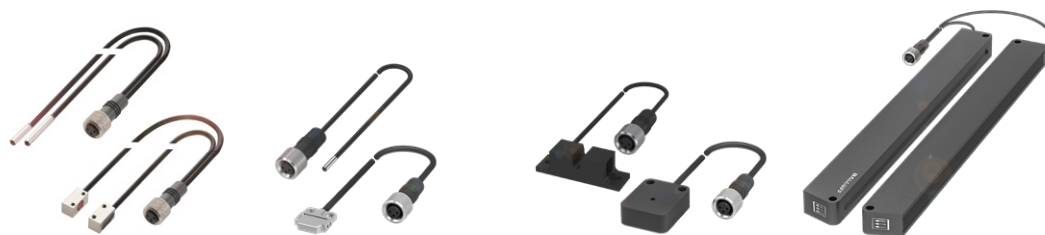
MICROMOTE –  
AMPLIFIER FOR  
OPTICAL SENSOR  
HEADS



	BAE0119	BAE011C	BAE011U	BAE0120	BAE0123	BAE0127
Display	OLED Display		OLED Display	OLED Display		
LEDs	5 × Out, Out2, IO-Link, Sync and Alarm	2 × Out, IO Link	4 × Power, Alarm, Sync, Signal	4 × Power, Alarm, Sync, Signal	2 × Power, Out	2 × Power, Out
Switching channels	2 Switching signal channels with 2 set points each	2 Switching signal channels with 2 set points each	Analog	Analog	1 Switching signal channel with 1 set point	1 Switching signal channel with 1 set point
Switching frequency max.	4 kHz	500 Hz	8 kHz	8 kHz	500 Hz	500 Hz
Switching point modes	Single and two point, window, dynamic, limit value tracking	Single and two point, window, dynamic, limit value tracking			Single point	Single point
Setting	EasyTeach, Pushbutton, external, IO-Link	IO-Link, external	EasyTeach, Pushbutton	EasyTeach, Pushbutton	+/- Buttons, external	Potentiometer
Interface	PNP/NPN/ Push-pull IO-Link 1.1	PNP/NPN/ Push-pull IO-Link 1.1	Analog, Voltage	Analog, Current	PNP	PNP
Approval/Conformity	CE, EAC, cULus	CE, EAC, cULus	CE, EAC, cULus	CE, EAC, cULus	CE, EAC, cULus	CE, EAC, cULus
Ambient temperature	-5...+55 °C	-5...+55 °C	-5...+55 °C	-5...+55 °C	-5...+55 °C	-5...+55 °C
Connection	M8 male	M8 male	M8 male	M8 male	M8 male	M8 male

More variants available.

MICROMOTE –  
OPTICAL SENSOR  
HEADS



	DIFFUSE SENSOR	THROUGH-BEAM SENSOR	TUBE SENSORS	LIGHT BANDS
Description	Available in a wide variety of designs, light types and for special requirements.	Available in a wide variety of designs, light types and for special requirements.	For the detection of liquids and bubble formation.	Flexible mounting for detection of small parts.

You can find more variants on our [website](http://www.balluff.de).