

Innovative technology to detect and monitor hot objects

INFRARED TEMPERATURE SENSOR WITH IO-LINK

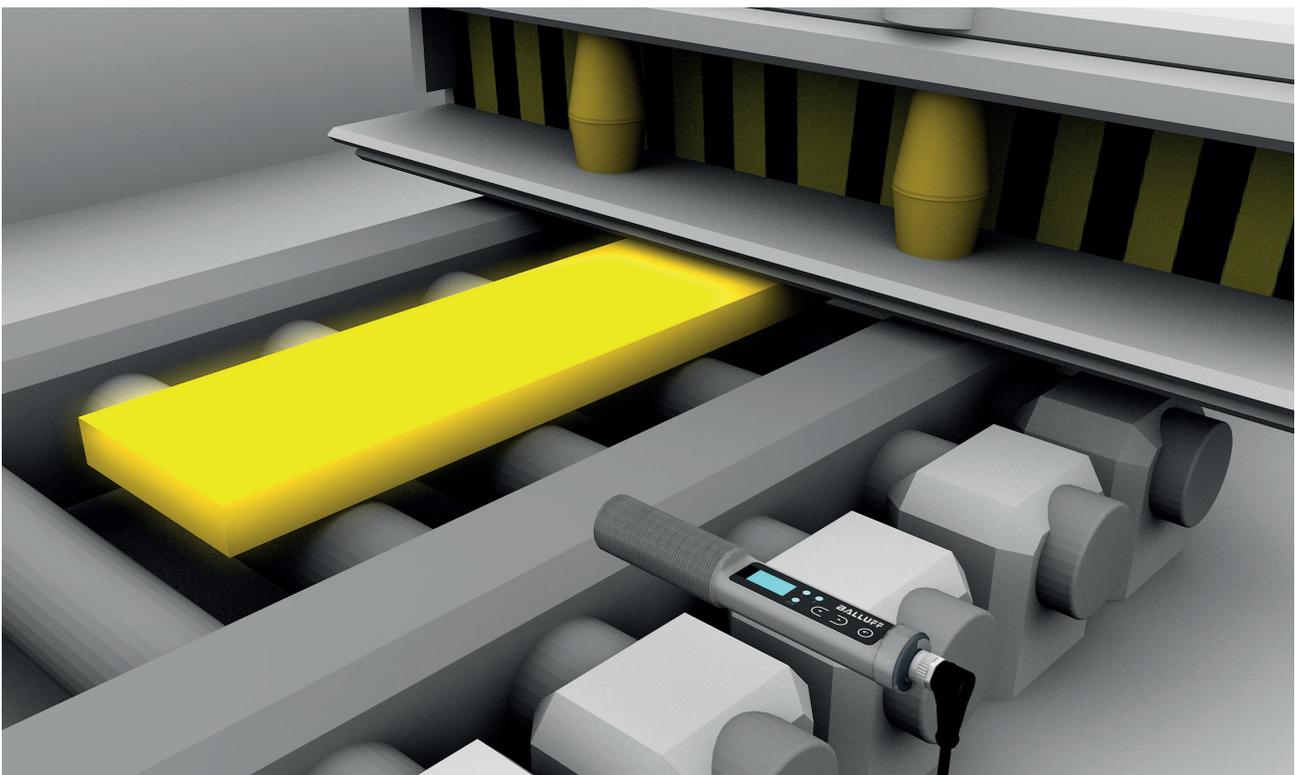
Balluff's Infrared Temperature Sensor allows monitoring high temperatures without contact in inaccessible or harsh environments. Temperatures of hot objects that are moving can be reliably monitored.

Housed in a rugged M30 stainless steel housing with IP67 protection this sensor features a multi-function display with auto-rotation. The IO-Link interface enables such features as parameterizing of the sensor remotely, e.g. by the host controller or from the control panel.

Enhanced functionality and IO-Link connectivity allows this sensor to solve a wide range of applications. These include foundries, forging, steel plants, the ceramics industry or glassworks.

Features

- Temperature range
250...1250 °C (482...2282 °F)
- Non-contact
- IO-Link interface provides numerous functions including remote parameterization
- Also available with 4...20 mA interface
- Reliably detects even moving objects



TEMPERATURE SENSORS



	BTS0002	BTS0003
Measuring range	250...1250 °C	250...1250 °C
Distance ratio	1:50	1:50
Measuring spot size at 1 m distance	Ø 25 mm	Ø 25 mm
Switching output	PNP NO, PNP NC	Analog, current, 4...20 mA
Supply voltage U _B	10...30 V DC	10...30 V DC
Dimensions	M30 × 190 mm	M30 × 190 mm
Ambient temperature	-5...65 °C	-5...65 °C
Degree of protection IEC 60529	IP65, IP67	IP65, IP67
Conformity, approvals	CE	CE
Sensing surface, material	Borosilicate crown glass (N-BK7), coated	Borosilicate crown glass (N-BK7), coated
Housing material	Stainless steel 1.4404	Stainless steel 1.4404
Connection	M12 connector, 4-pin	M12 connector, 4-pin

ACCESSORIES



	BAM02YF	BAM02YH	BAM02YJ	BAM02Y5
Description	Air shield	Protective nuts	Protective cover	Mounting bracket Ø 30 mm

CONNECTORS



	BCC0EKW	BCC0EKH	BNI005H	BNI0092
Description	M12 female straight/ M12 male straight, 2 m cable, weld-splatter-resistant, short-time up to 800 °C	M12 female straight/ M12 male gewinkelt, 2 m cable, weld-splatter-resistant, short-time up to 800 °C	Profinet module, 16 × inputs/outputs PNP, 8 × IO-Link	Profinet module, 8 × inputs/outputs PNP, 4 × IO-Link

SERVICES

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