

- Response temperature 250 – 900 °C
- Viewing angle 2°
- Cooling water connection
- Parameterization with RS 485 + Software
- Standard-function, offset-function, alarm-function and jump-detection
- 2 free adjustable switching outputs
- Test input / external teach function
- Plug S4 (M12)
- G3/4" thread for protection hose connection



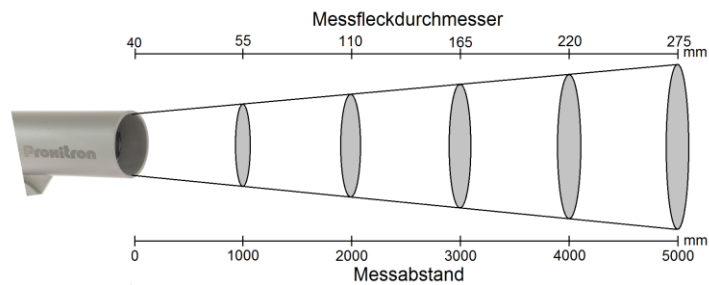
Product Characteristics

Type	OXB 2029.3A GK S4
Art.-No.	6302B
Application	Material detection of hot objects, temperature control, hot rolling, pressing, forging, sintering, heat treatment

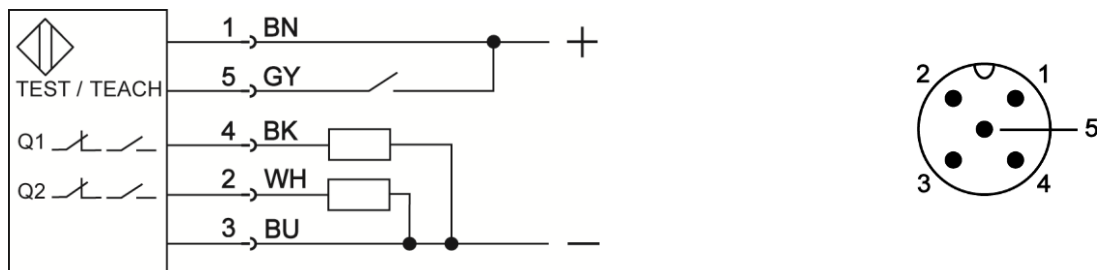
Technical Data

Response temperature parameterizable	250 – 900 °C 250 – 600 °C in 50 K steps, 600 – 900 °C in 100 K steps, (factory setting = 450 °C)
Switching hysteresis	ca. 25 K
Test function (simulation of a hot object)	output Q1 and Q2 switching
Standard-function	Response temperature can be parameterized for each output
Offset-function	Response and switch-off temperature deviant can be parameterized for each output
Alarm-function	Response temperature Q1 and alarm temperature Q2 can be parameterized
Jump-detection	Response temperature increasing and switch-off temperature decreasing- can be parameterized
Teach-In function	Set point is teachable for standard-function, offset-function and alarm-function
Viewing angle	2°
Supply voltage	10 - 55 V DC
Ripple	max. 15 %
Current consumption	< 15 mA
Digital communication	RS 485 MODBUS RTU
Output	2 x PNP normally open / normally closed (can be parameterized)
Continuous current	0 - 400 mA
Short-circuit protection	yes, pulsing
Voltage drop	< 2,5 V
Response time / switching frequency	0,3 ms /1500 Hz
Ambient temperature	-10 ... +75 °C without cooling up to 200 °C with cooling
Protection class	IP 67
Housing material	stainless steel
Functional display	Duo-LED red/green
Cooling water	~3l /min., 5 bar max. (max. 25 °C)
Connection device	plug S4 (M12 x 1 A) 5 pole with G3/4" protective hose thread
Connection interface	plug S6 (M12 x 1 B) 4 pole
Weight	2,1 kg

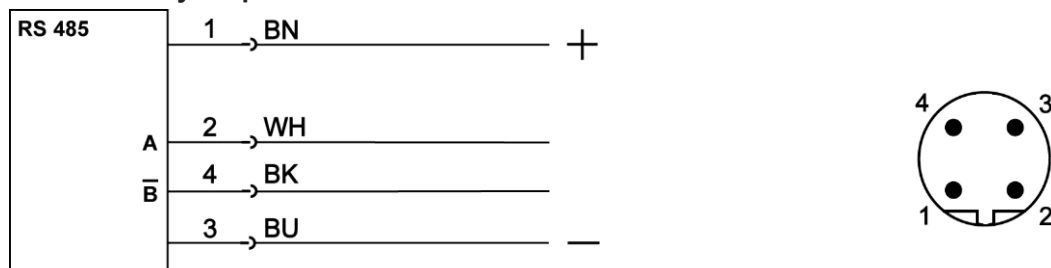
Optic



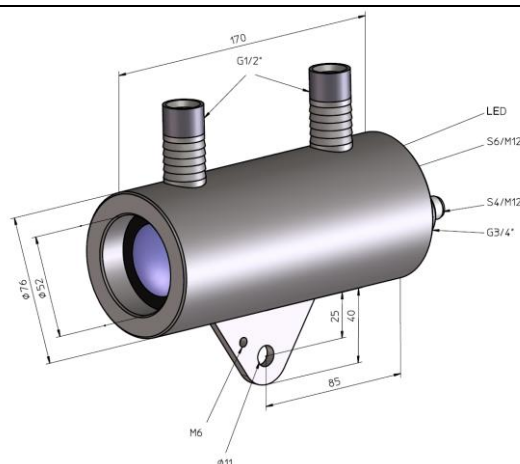
Connection



Only for parameterization



Dimension (mm)



Accessories (not in scope of supply)

	Type	Art.-No.
Connection cable with female straight plug S4 (M12 x 1 A) 2 m cable 5 x 0,34 mm ² up to 105 °C	ST 043/5-2 H	9850R
Connection cable with female straight plug S4 (M12 x 1 A) 5 m cable 5 x 0,34 mm ² up to 105 °C	ST 043/5-5 H	9844V
Swivel stand	HM 2	9816B
Adapter for protection hose connection (suitable protection hoses available)	HG 2	9855B
Pilot light attachment for adjustment	DAK 308	6913G
Adapter for Pilot light attachment	OL 27	9828I
Tube	OL 21	9828C
Air purge attachment	OL 35	9828R
Tube for Air purge attachment	OL 36	9828S
Protection tube 100 mm for air purge attachment	OL 37	9828T
Interface converter RS485, female plug S4 (M12 x 1 A) 5-pole to USB (Incl. 24 V operating voltage for sensor)	SIC 485U	9861B
Adapter S6 female plug to plug S4-pin (suitable for SIC 485U)	ST S6/4 S4/5-2	9851D
Interface converter RS485, plug Sub D 9-pole to USB (External power supply necessary)	SIC 485UD	9861E
Adapter S6 (M12 x 1 B) female plug to female Sub D 9-pin (suitable for SIC 485UD)	ST S6/4 SUBD-2	9851C
Connection cable with female straight plug S6 (M12 x1 B) 2 m PUR cable 4 x 0,34 mm ²	ST S6/4-2	9851B

Further Information

	Document
Manual	BDA OXA OXB 29.D E
Protection hoses	P46E