

- Response temperature 250 – 900 °C
- Viewing angle 0,5° x 15°
- 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 S8 (M12 x 1)
- G3/4" thread for protection hose connection



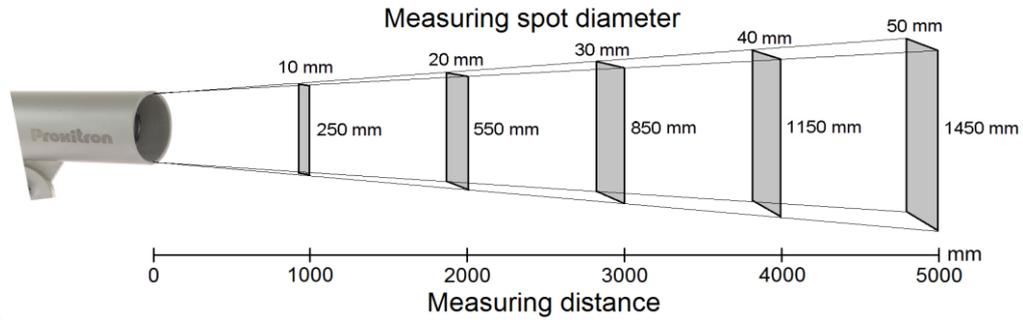
Product Characteristics

Type	OXB 0629.3A GK S8
Connection device	Art.-No.
plug S8 (M12 x 1 A) 8 pole with G3/4" protective hose thread	6307D
Application	Material detection of hot objects, temperature control, hot rolling, pressing, forging, sintering, heat treatment

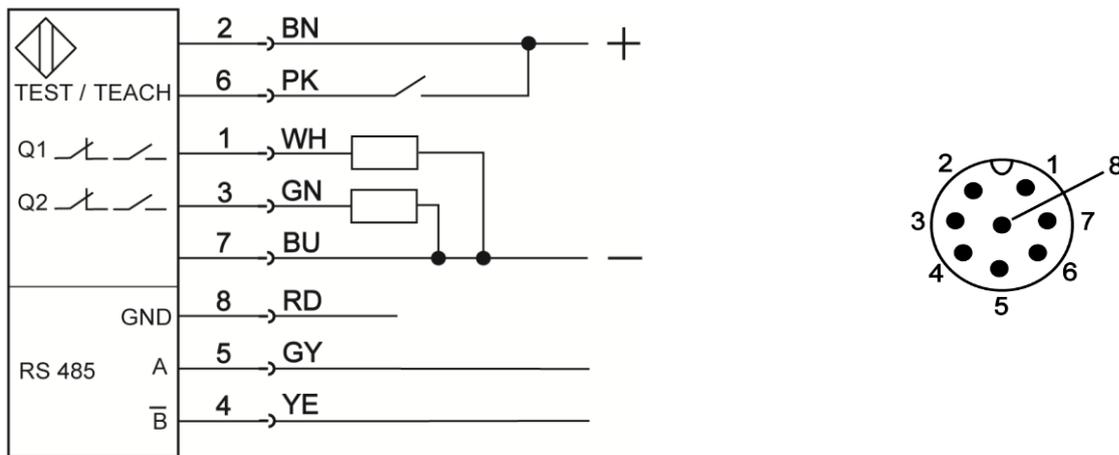
Technical Data

Response temperature parameterized	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-Function	Set point is teachable for standard-function, offset-function and alarm-function
Viewing angle	0,5° x 15°
Supply voltage	10 - 55 V DC
Ripple	max. 15 %
Current consumption	< 15 mA
Digital communication	RS 485 MODBUS RTU
Output	2x 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
Cooling water	~3l/min., 5 bar max. (max. 25 °C)
Protection class	IP 67
Housing material	stainless steel
Functional display	Duo-LED red/green

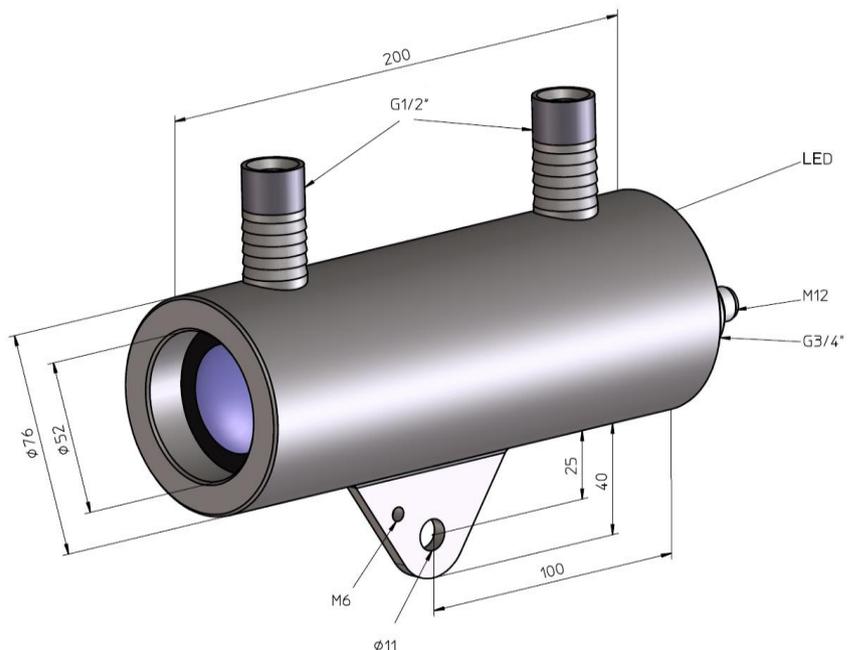
Optic



Connection



Dimension (mm)



Accessories (not in scope of supply)

	Type	Art.-No.
Connection cable with female straight plug S8 (M12 x 1 A) 5 m PUR cable 8 x 0,25 mm ² up to 90 °C	ST S8-5PUR	9844W
Connection cable with female straight plug S8 (M12 x 1 A) 10 m PUR cable 8 x 0,25 mm ² up to 90 °C	ST S8-10PUR	9843D
Connection box for optical sensors with female plug S8 and RS485 interface	CBA 104	9859C
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 cable S8 (M12 x 1 A) female plug 8-pole to S4 (M12 x 1 A) plug 5-pole, 2 m cable (suitable for SIC 485U)	ST S8/4 S4/5-2	9851E

Further Information

	Document
Manual	BDA_OXA_OXB_29.D_E
Protection hoses	P46E

Attention

Protective glass SG 1 can not be used with this type	SG 1	9809A
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