Proxitron
Sensoren für Automation

Piros S Infrared Sensor / Pyrometer
OKS 7 T1409.14

Piros S for non contact temperature measurement for non metal materials optimised. Having adjustable emissivity, response time and measuring range the sensor can be flexible used for many applications.

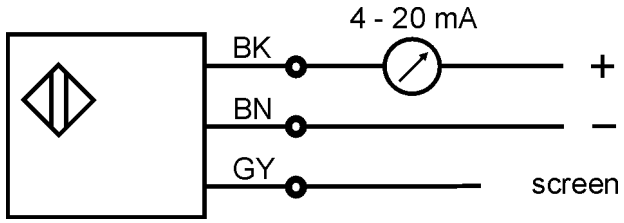
Analog

4 - 20 mA

Technical Data

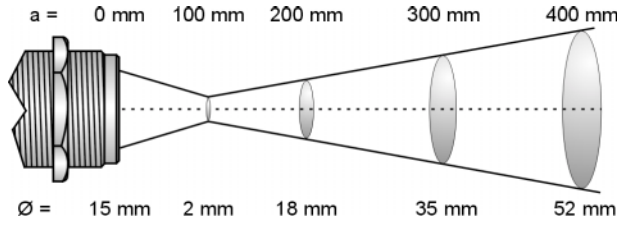
Type	**OKS 7 T1409.14**
Art.-No.	6904A
Response temperature	-32 - 900 °C
Spectral Range	8 - 14 µm
Output	4 – 20 mA
Measuring failure	1 %
Response time t90% min / max.	100 msec. / 10 sec.
Detected surface at 0,1 m	Ø 2 mm
Emissivity	20…100 %
Service Interface	yes
Load impedance	< 700 Ohm (24 V)
Supply voltage stabilized	24 V DC +/- 25 %
Ripple voltage	< 50 mV
Power consumption	≤ 1,5 VA
Ambient temperature	0 to +70 °C
Protection class	IP 65
Connection	2 m cable
Supply voltage display	LED
Housing material	stainless steel
Accessories (not included in the scope of supply)	**Art.-No.**
PC-adapter cable + software DAK 301	6913A
Cooling jacket DAK 302	6913B
Mounting clamp DAK 305	6913E

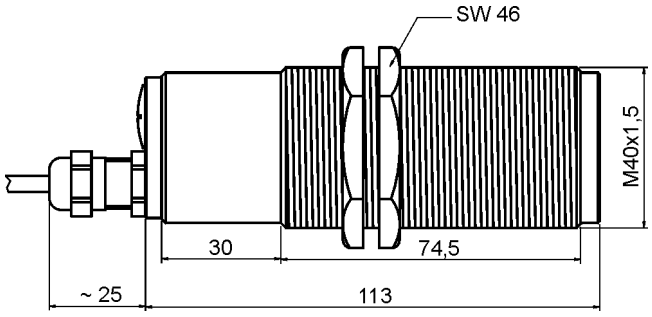
Diagram of Connections



The emissivity, the response time as well as the measuring subrange may be adjusted with optional PC service software and PC-adapter cable.

Distance (a) / Measuring point diameter





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Analog

4 - 20 mA

Technical Data

Type	**OKS 8 T1409.14**
Art.-No.	6904B
Response temperature	-32 - 900 °C
Spectral Range	8 - 14 µm
Output	4 – 20 mA
Measuring failure	1 %
Response time t90% min / max.	100 msec. / 10 sec.
Detected surface at 0,3 m	Ø 6 mm
Emissivity	20…100 %
Service Interface	yes
Load impedance	< 700 Ohm (24 V)
Supply voltage stabilized	24 V DC +/- 25 %
Ripple voltage	< 50 mV
Power consumption	≤ 1,5 VA
Ambient temperature	0 to +70 °C
Protection class	IP 65
Connection	2 m cable
Supply voltage display	LED
Housing material	stainless steel
Accessories (not included in the scope of supply)	**Art.-No.**
PC-adapter cable + software DAK 301	6913A
Cooling jacket DAK 302	6913B
Mounting clamp DAK 305	6913E

The emissivity, the response time as well as the measuring subrange may be adjusted with optional PC service software and PC-adapter cable.

Distance (a) / Measuring point diameter

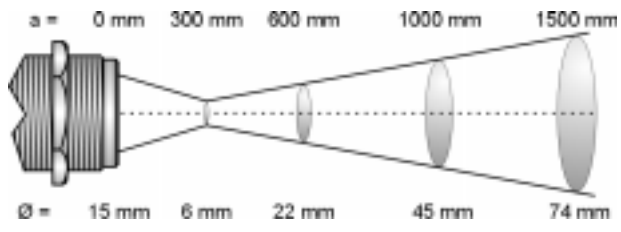
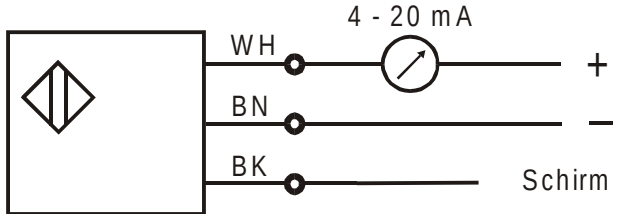
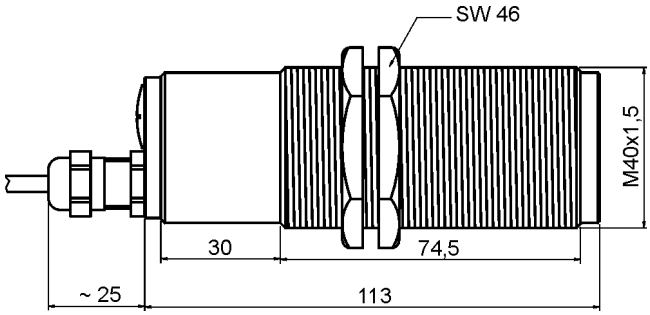


Diagram of Connections





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Piros S Infrared Sensor / Pyrometer
OKS 9 T1409.14

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Analog

4 - 20 mA

Technical Data

Type	**OKS 9 T1409.14**
Art.-No.	6904C
Response temperature	-32 - 900 °C
Spectral Range	8 - 14 µm
Output	4 – 20 mA
Measuring failure	1 %
Response time t90% min / max.	100 msec. / 10 sec.
Detected surface at 0,8 m	Ø 16 mm
Emissivity	20…100 %
Service Interface	yes
Load impedance	< 700 Ohm (24 V)
Supply voltage stabilized	24 V DC +/- 25 %
Ripple voltage	< 50 mV
Power consumption	≤ 1,5 VA
Ambient temperature	0 to +70 °C
Protection class	IP 65
Connection	2 m cable
Supply voltage display	LED
Housing material	stainless steel
Accessories (not included in the scope of supply)	**Art.-No.**
PC-adapter cable + software DAK 301	6913A
Cooling jacket DAK 302	6913B
Mounting clamp DAK 305	6913E

The emissivity, the response time as well as the measuring subrange may be adjusted with optional PC service software and PC-adapter cable.

Distance (a) / Measuring point diameter

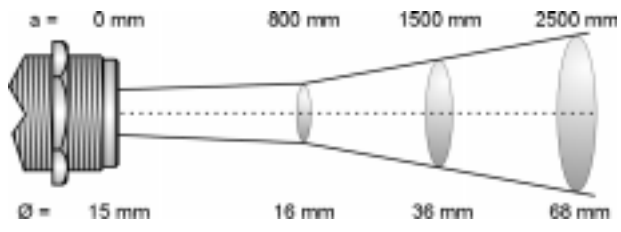

Diagram of Connections