

Piros S is for non contact temperature measurement through flames i.e. for objects in furnaces.

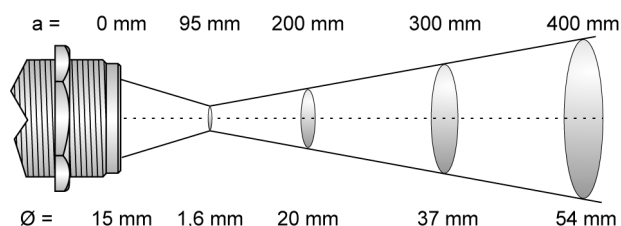
Having adjustable emissivity, response time and measuring range the sensor can be flexible used for many applications.

Technical Data

Type	OKS 5 TF13.14 S9
Art.-No.	6920U
Measuring temperature range	300 - 1300 °C
Spectral range	3,9 µm
Output	4 – 20 mA
Measuring failure	1 %
Response time t95% min / max.	60 msec / 100 sec
Detected surface at 95 mm	Ø 1,6 mm
Emissivity	0,20...1,00
Integrated pilot light	no*
Integrated MAX data storage	yes
Service Interface USB	yes
Load impedance	< 700 Ohm (24 V)
Supply voltage stabilized	24 V DC +/- 25 %
Ripple voltage	< 50 mV
Power consumption	≤ 0,6 W
Ambient temperature	0 to +70 °C
Protection class	IP 65
Connection	Plug S9
Supply voltage display	LED
Housing material	stainless steel
Accessories	Art.-No.
(not included in the scope of supply)	
Connection cable 2m, ST S9/5-2	9847B
Cooling jacket DAK 302	6913B
Mounting clamp DAK 305	6913E
*Laser pilot light DAK 308	6913G

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

Distance (a) / Measuring point diameter



analog

4 - 20 mA



Diagram of Connections

