

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

*analog*  
**4 - 20 mA**



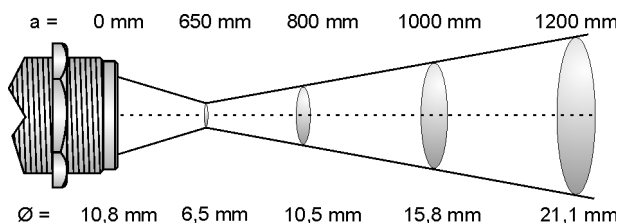
**Technical Data**

Type	OKS 3 S18.14 S9
Art.-No.	6920J
Measuring temperature range	600 - 1800 °C
Spectral range	0,8 ... 1,1 µm
Output	4 – 20 mA
Measuring failure	0,5 %
Response time t95% min / max.	10 msec. / 10 sec.
Detected surface at 650 mm	Ø 6,5 mm
Emissivity	0,05...1,00
Integrated LED pilotlight*	yes (12 – 30 V DC)
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
Power consumption pilotlight	≤ 35 mA
Ambient temperature	0 to +70 °C
Protection class	IP 65
Connection	Plug S9
Supply voltage display	LED
Housing material	stainless steel
<b>Accessories</b>	<b>Art.-No.</b>
(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

\*switchable if needed

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**

