Proxitron
SENSORS MADE IN GERMANY

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 GA18.14 S9
Art.-No.	6920G
Measuring temperature range	350 - 1800 °C
Spectral range	1,5 ... 1,8 µm
Output	4 – 20 mA
Measuring failure	0,5 %
Response time t95% min / max.	10 msec. / 10 sec.
Detected surface at 650 mm	Ø 3,5 mm
Emissivity	0,05…1,00
Integrated LED pilot light*	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	$\leq$ 0,6 W
Power consumption pilot light	$\leq$ 35 mA
Ambient temperature	0 to +70 °C
Protection class	IP 65
Connection	Plug S9
Supply voltage display	LED
Housing material	stainless steel
Accessories (not included in the scope of supply)	**Art.-No.**
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.

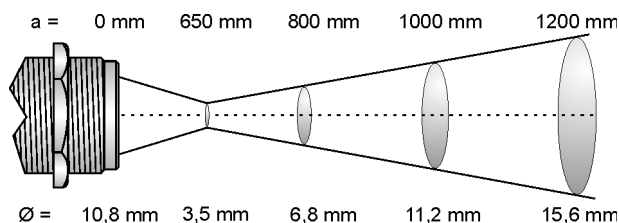## Distance (a) / Measuring point diameter

a =	0 mm	650 mm	800 mm	1000 mm	1200 mm
Ø =	10,8 mm	3,5 mm	6,8 mm	11,2 mm	15,6 mm

Diagram of connections

4 - 20 mA

WH
BN
GN/YE — screen
GY
BU — pilot light

M40 x 1.5   113   11