

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.

analog

4 - 20 mA



Technical Data

| | |
|--|-------------------------|
| Type | OKS 6 TF13.14 S9 |
| Art.-No. | 6920V |
| Measuring temperature range | 300 - 1300 °C |
| Spectral range | 4,2 µm |
| Output | 4 – 20 mA |
| Measuring failure | 1 % |
| Response time t95% min / max. | 60 msec / 100 sec |
| Detected surface at 260 mm | Ø 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. |
| <i>(not included in the scope of supply)</i> | |
| 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

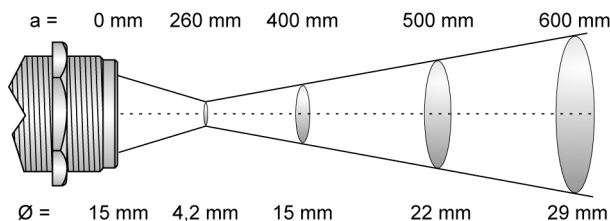


Diagram of Connections

