

## Data Sheet IKF1P1000/100

Article number: G9150150

Industrial installation duct temperature sensor, PT 1000, installation length 115 mm

The IKF1 industrial installation duct sensor is used to measure the temperatures of liquids and gases in pipelines, air ducts or containers in machine, apparatus and plant construction. The mounting flange (MF) is required for use in air ducts. Nickel-plated brass thermowells (THMs) must be used for use in liquids. Immersion sleeves made of stainless steel V4A (THV) are recommended for aggressive media. Thermowells or mounting flanges are not included in the scope of delivery and must be ordered separately as accessories.



|                                |                                      |
|--------------------------------|--------------------------------------|
| Active temperature measurement | No                                   |
| Connection cross-section       | 0,14 – 2,5 mm <sup>2</sup>           |
| Version of sensor              | temperature sensor for gases/liquids |
| Cover fastening                | screw fastening                      |
| Diameter sensor element        | 6 mm                                 |
| Plug-in length                 | 115 mm                               |
| Electric connection            | 2-conductor max. 30 V AC / 42 V DC   |
| With explosion protection      | No                                   |
| Sensor element                 | Pt1000                               |

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Suitable for fluids                | Yes                                  |
| Suitable for gases                 | Yes                                  |
| Bearing temperature                | -30 ... 100 °C                       |
| Max. air humidity (non-condensing) | 95 % r.H.                            |
| Housing material                   | Metal aluminum                       |
| Max. Sensor temperature            | 150 °C                               |
| Medium                             | Gas/Fluid                            |
| With mounting material             | No                                   |
| With housing                       | Yes                                  |
| With supply line                   | No                                   |
| Mounting/attachment                | immersion sleeves or mounting flange |
| Surface finish                     | matt                                 |
| Passive temperature measurement    | Yes                                  |
| Protection class                   | IP43                                 |
| Protection class                   | III                                  |
| Sensor element outside the housing | Yes                                  |
| Sensor element inside the housing  | No                                   |
| Safety and EMC                     | in accordance with DIN EN 60730      |
| Ambient temperature                | -30 ... 100 °C                       |
| Dimensions (W x H x D)             | 82 mm x 176 mm x 70 mm               |

