

Data Sheet IKF1P1000/50

Article number: G9150020

Industrial installation duct temperature sensor, PT 1000, installation length 65 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 ²
Version of sensor	temperature sensor for gases/liquids
Cover fastening	screw fastening
Diameter sensor element	6 mm
Plug-in length	65 mm
Electric connection	screw terminals
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 126 mm x 70 mm

