

Datasheet IKF1P1000/100

Articlenumber: G9150150

Industrial installation duct temperature sensor, PT1000, installation length 115mm

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
Ambient temperature	?30 ... 100 °C
Bearing temperature	–30 ... 100 °C
Connection cross-section	0,14 – 2,5 mm ²
Cover fastening	Screw fastening
Diameter sensor element	6 mm
Dimensions (W x H x D)	82 mm x 176 mm x 70 mm
Electric connection	2-conductormax. 30 V AC / 42 V DC
Housing material	Metal aluminum
Max. air humidity (non-condensing)	95 % r.H.
Max. Sensor temperature	150 °C
Medium	Gas/Fluid
Montage/Befestigung	Immersion sleeves or mounting flange
Passive temperature measurement	Yes
Plug-in length	115 mm
Protection class	III

Safety and EMC	In accordance with DIN EN 60730
Sensor element	Pt1000
Sensor element inside the housing	No
Sensor element outside the housing	Yes
Suitable for fluids	Yes
Suitable for gases	Yes
Surface finish	Matt
Version of sensor	Temperature sensor for gases/liquids
With explosion protection	No
With housing	Yes
With mounting material	No
With supply line	No

