

KTF1

Air duct temperature sensor



Summary

The KTF1 temperature sensor is an analogue duct temperature sensor for universal use.

Applications

- HVAC systems – air temperature measuring and logging

Functions

The sensor uses a sensing element, the signal of which is available at the screw terminals. Default sensor element is Pt1000, other sensor types see table below. Temperature range is -30 to +150 °C.

The sensors are intended for operating in any environment. They do not need any servicing or maintenance. The mounting flange is included.

Technical data

Recommended measuring circuit	appr. 1 mA
Measuring range	max. -30 ÷ +150 °C
Ambient temperature	max. -20 ÷ +100 °C
Protection class	IP65 (according to EN 60529)
Sensor accuracy	see table below
Terminals	screw terminals for wires 0,14 – 1,5 mm ²
Cover	polyamide, 30% glass fibre
Insulation resistance	> 100 MOhm at 20°C, 500 V DC
Connection	screw fittings G1/2"
Accessories	MF-15-K mounting flange, plastic
Dimensions	see below

Sensor types

Pt100	on request	DIN EN 60751
Pt1000	default sensor type	DIN EN 60751
Ni1000 TK6180 (Sauter)	on request	DIN EN 43760
Ni1000 TK5000 (L&G)	on request	
NTC 1,8 kOhm	on request	DIN EN 44070

Stem lengths

50 mm	on request
100 mm	on request
150 mm	default stem length
200 mm	on request
250 mm	on request
300 mm	on request
400 mm	on request

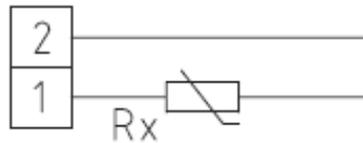
Ordering

Immersion temperature sensor:

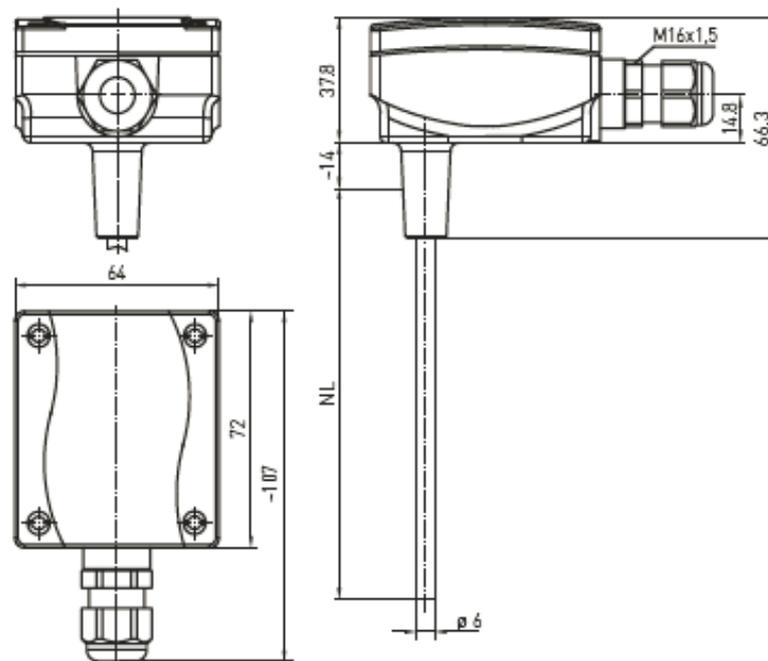
KTF1 is delivered as set of the sensor (TF65) and the mounting flange (MF-15-K).

It is possible to order these parts separately.

Terminals



Dimensions



Accessories

MF-15-K mounting flange

