Data Sheet

Temperature sensor
Type **AK-HS 1000**

For wall mount temperature sensor.

Pt 1000 product temperature sensor.

The sensor is developed for temperature monitoring and data logging in HACCP system. It has been designed to simulate a product placed in a refrigeration application. Hereby a realistic HACCP report is achieved.

Together with an ADAP-KOOL® appliance control the HACCP tolerance requirement of ±1 K in the whole area is complied with in the whole range of -30 – 15 °C.

Product specification

Technical data

Table 1: General features

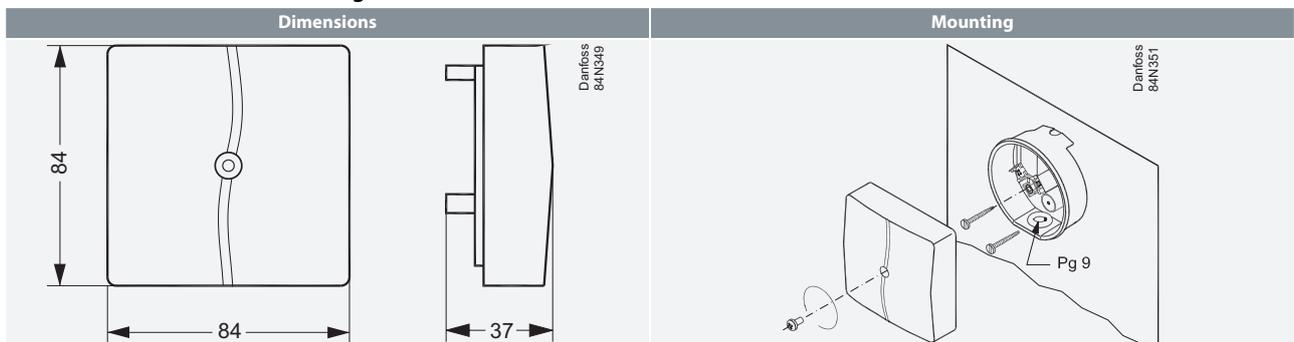| Features	Description
Nominal resistance	1000 ohm at 0 °C
Measuring accuracy	EN 60751 Class B
Temperature range	-30 – 50 °C
Cable material	PVC, 2×0.25 mm^2
Sensor	Cover: ABS Bottom: PC (polycarbonate)
Enclosure	IP 54
Time constant in air	T90 = 3 – 15 min.

Table 2: Temperature range

R (Typ.) Ohm	Temp. °C	Temp. °F
1117	30	86
1078	20	68
1039	10	50
1000	0	32
961	-10	14
922	-20	-4
882	-30	-22

Dimensions and Mounting

Table 3: Dimensions and Mounting

Dimensions	Mounting

Ordering

Table 4: Ordering

Type	Cable length	Weight approx.	Number	Code no.
AK-HS 1000	5.5 m	200 g	1 pcs.	084N1007, 084N1022[1]

[1] This type is certified for controllers with non-galvanic separated power supply.

If the cabled is lengthened, length and cable square must match so that the overall HACCP requirements of ±1 K are complied with.

Certificates, declarations, and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

Some approvals may change over time. You can check the most current status at danfoss.com or contact your local Danfoss representative if you have any questions.

Table 5: Certificates, declarations, and approvals

File name	Document type	Document topic	Approval authority
UA.1O146.D.00075-19	UA Declaration	EMCD/LVD	LLC CDC EURO TYSK

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