

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  $\pm 1$  K in the whole area is complied with in the whole range of  $-30 - 15$  °C.

## Product specification

### Technical data

Table 1: General features

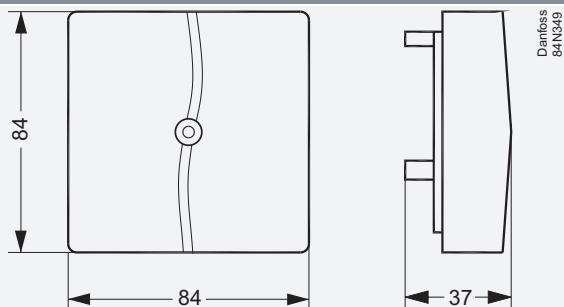
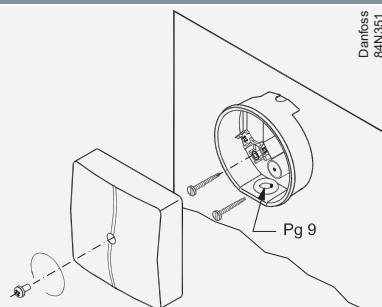
| Features             | Description                              |
|----------------------|--|
| Nominal resistance   | 1000 ohm at 0 °C                         |
| Measuring accuracy   | EN 60751 Class B                         |
| Temperature range    | -30 – 50 °C                              |
| Cable material       | PVC, 2 × 0.25 mm <sup>2</sup>            |
| Sensor               | Cover: ABS<br>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 <sup>(1)</sup> |

<sup>(1)</sup> 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  $\pm 1$  K are complied with.

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| File name           | Document type  | Document topic | Approval authority |
|---------------------|----------------|----------------|--------------------|
| UA.10146.D.00075-19 | UA Declaration | EMCD/LVD       | LLC CDC EURO TYSK  |

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