

TEMPERATURE SENSOR TEPK NTC 10-KB

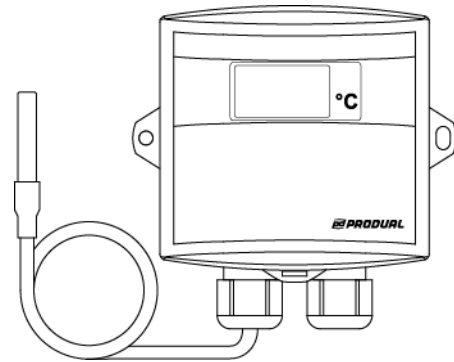
TEP NTC 10-KB temperature sensor is designed for automatic HVAC systems to detect radiator temperatures.

Temperature is detected by a NTC sensor element with a nominal resistance of 5025 Ω at 25 °C.

Sensor is mounted on the pipe by using a cable tie.

Sensor resistance at different temperatures:

| °C | Ω | °C | Ω |
|-----|----------|-----|----------|
| 120 | 467 | 25 | 5025 |
| 100 | 723 | 20 | 5573 |
| 90 | 923 | 15 | 6126 |
| 80 | 1194 | 10 | 6667 |
| 75 | 1364 | 5 | 7183 |
| 70 | 1562 | 0 | 7661 |
| 65 | 1791 | -5 | 8093 |
| 60 | 2056 | -10 | 8472 |
| 55 | 2358 | -15 | 8796 |
| 50 | 2702 | -20 | 9067 |
| 45 | 3088 | -25 | 9288 |
| 40 | 3517 | -30 | 9466 |
| 35 | 3987 | -40 | 9712 |
| 30 | 4492 | -50 | 9854 |



Technical data:

| | |
|------------------|--------------------|
| sensor | NTC 10-KB element |
| pipe diameter | Ø 10...90 mm |
| protection class | IP54 |
| cable | 2 m, LIYY 2 x 0,14 |
| range | -20...+80 °C |
| accuracy | ±0.5 °C (at 25 °C) |
| time constant | about 5 s |

Ordering guide:

| Model | Product number | Description |
|----------------|----------------|---|
| TEPK NTC 10-KB | 117B240 | strap-on temperature sensor 5025 Ω / 25 °C |

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).