

DUCT TEMPERATURE SENSOR TEKHA NTC 10-AN

TEKHA NTC 10-AN temperature sensor is designed for automatic ventilating systems to detect duct temperature.

Temperature is detected by a NTC sensor element with a nominal resistance of 10 k Ω at 25 °C.

Sensor is mounted to the duct by means of an adjustable duct connection flange for optimal temperature detection. Installation depth is adjustable up to 100 mm.

Sensor resistance at different temperatures:

| °C | Ω | °C | Ω |
|-----|----------|-----|----------|
| 120 | 483 | 25 | 10 000 |
| 100 | 817 | 20 | 12 268 |
| 90 | 1084 | 15 | 15 136 |
| 80 | 1458 | 10 | 18 787 |
| 75 | 1700 | 5 | 23 462 |
| 70 | 1990 | 0 | 29 490 |
| 65 | 2339 | -5 | 37 316 |
| 60 | 2760 | -10 | 47 549 |
| 55 | 3271 | -15 | 61 030 |
| 50 | 3893 | -20 | 78 930 |
| 45 | 4656 | -25 | 102 890 |
| 40 | 5594 | -30 | 135 233 |
| 35 | 6754 | -40 | 239 831 |
| 30 | 8197 | -50 | 441 667 |



Technical data:

| | |
|-----------------|---|
| sensor | NTC 10-AN element, 10 k Ω at 25 °C |
| stem | \varnothing 6 mm x 100 mm, acid proof steel |
| duct connection | flange |
| prot. class | IP54 |
| cable | PVC 2 m (LIYY 2 x 0,14) |
| range | -50...+70 °C |
| accuracy | \pm 0.25 °C (at 25 °C) |

Ordering guide:

| Model | Product number | Description |
|-----------------|----------------|---|
| TEKHA NTC 10-AN | 117H290 | duct temperature sensor 10 k Ω at 0 °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).