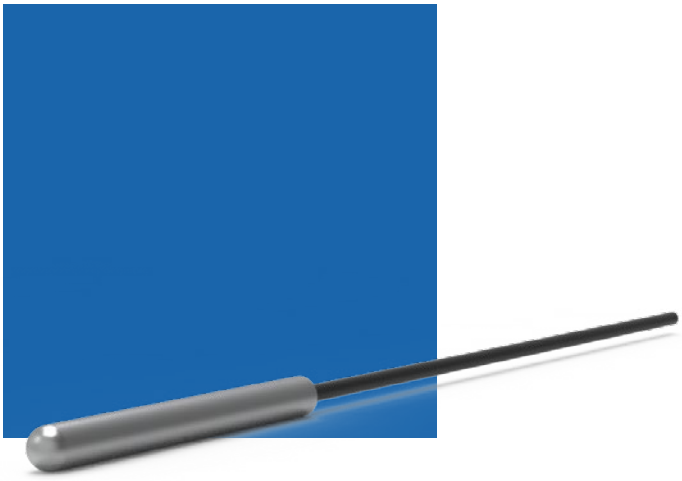


# D-TS NTC 3

## Temperature sensor

**The D-TS NTC 3 temperature sensor** is a semiconductor thermistor characterized by a Negative Temperature Coefficient. Its electrical resistance decreases exponentially as the temperature increases, allowing for precise and reliable measurement.

## HIGHLIGHTS

**Temperature control**

**Fast**

| CODE | DESCRIPTION |
|---|---|
| D118201300 | DTI NTC3, Temperature sensor, 10 KΩ @25°C |

## TECHNICAL FEATURES

| | |
|---|---|
| **SENSITIVE ELEMENT NTC** | 10 KΩ @ 25°C ß=(25/85) 3435 |
| **ACCURACY** | ±1% |
| **OPERATING RANGE** | -10 +90 °C |
| **MATERIALS** | Inox AISI 304 |
| **PROTECTION RATING** | IP68 |
| **DOUBLE-INSULATED PVC CABLES** | (Cu 2 X 0.22 mm²) |
| **CABLE LENGTH** | 400 mm |
| **TERMINALS** | JST XHP2 |
| **INSULATION RESISTANCE** | 100MΩ 500Vdc |

**CONVERSION TABLE**

| T [°C] | -10 | -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R [KΩ] | 42467 | 40583 | 38792 | 37090 | 35472 | 33933 | 32469 | 31075 | 29749 | 28487 | 27284 | 26139 | 25048 | 24008 | 23016 | 22071 | 21170 | 20310 | 19489 | 18706 | 17959 | 17245 | 16563 | 15912 | 15290 | 14695 |

## TECHNICAL DRAWINGS

