

Specifications

EXTERNAL TEMPERATURE SENSOR TSUB21-NC

1 SENSOR SPECIFICATIONS

Specifications are valid for the submersible temperature sensor **TSUB21-NC** (no connector) with a cable length of 2m (item no.: **TSUB21-NC**). For precise absolute temperature readings, an optional **1-point calibration of the Pt100 temperature sensor** is recommended.

1.1 Specifications

| Specifications | |
|-----------------|--|
| Measuring Range | -30-150°C (note: optical sensors have a different temperature range) |
| Accuracy | ±0.5°C |
| Resolution | 0.02°C |

1.2 General Characteristics

| | |
|-------------------------------------|--|
| Sensor type | 4-wire Pt100 with no connector (-NC) for Pt100 soldering |
| Response time (t90) in water | ca. 8 s |
| Response time (t90) in gas | 1 min |
| Tip Diameter | 2.1 mm |
| Sensitive tip length | First ca. 5 mm |
| Cable type | Teflon-coated |
| Cable length | 2 m |
| Cleaning | De-ionized water |
| Application Areas | Laboratory, industry, research. NOT for medical or any safety-critical application. NOT for application in humans. NOT for application in food intended for human consumption. |

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