

Air Temperature Sensor (8281)



Reliable with Pt100

The temperature sensor (8281) registers ambient temperature by a temperature dependent resistor (thin film platinum resistance). The sensor shelter (8141.6) protects the sensor against unmeant weather influences like precipitation and solar radiation.

APPLICATIONS

- Meteorology
- Environmental measurement
- Building services engineering
- Climate monitoring
- Industry

| Professional Line | Air Temperature Sensor (8281) |
|--------------------------------|--|
| Id-No. | 00.08281.008005 |
| Meas. range air temperature | -30...+70 °C |
| Accuracy air temperature | ± 0.1 °C at 0 °C |
| Output | Pt100 resistor • 100 Ohm at 0 °C |
| Range of application | -60...+90 °C |
| Measuring elements | Pt100, 1/3 DIN, DIN 43 760 resp. IEC 751 |
| Dimensions | Length 120 mm • Ø 5 mm |
| Cable | approx. 7.5 m • 4 x AWG 20 C UL sw |
| Accessories (order separately) | 00.08141.600000: Sensor shelter (8141.6) 32.08141.001010: Adapter |

As of: 23.02.2023