

8281 AIR TEMPERATURE SENSOR



Reliable with Pt100

The sensor 8281 measures air temperature using a platinum resistance measuring element (Pt100). The optional shelter 8141.6 protects the sensor from unwanted weather influences such as precipitation and radiation, ensuring optimal measurement conditions.

- High accuracy
- Wide temperature range
- Stability and durability
- Fast response time

APPLICATIONS

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

Professional Line	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: 14.03.2025