

Air Temperature Sensor (8281)



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

- automatic weather stations
- meteorology and environmental measurement technology
- building systems
- climate monitoring
- industrial metrology

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 00.08763.012002: Two-channel transducer (8763 TH)

As of: 19.07.2019