

TEMPERATURE SENSORS

Air and soil temperature

Desert sand and frozen soil...

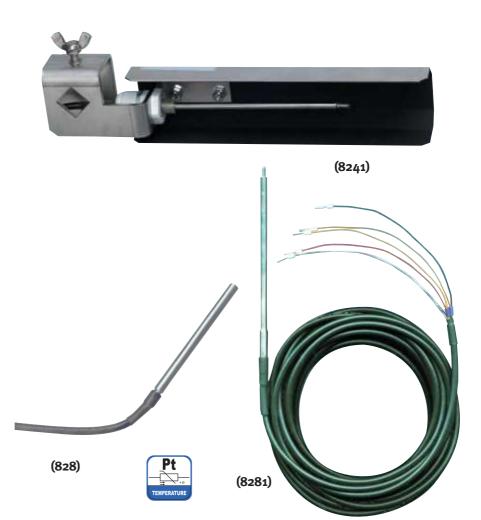
are the objects to be measured. They are the starting point for the right choice of sensors. The soil sensor (828) is waterproof and is used to measure water and soil temperatures precisely.

Best suited for temperatures of about 5 cm above ground (grass level) is instrument (8241), which includes radiation protection and mounting rod.

For measurement of air temperatures in higher areas, sensor (8281) is best suited.

- world-wide popular standard measuring elements
- ► robust, corrosion resistant through stainless steel housing

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



Professional Line		Temperature Sensors
Measuring element: Measuring range/ Accuracy: Operating temperature: Output:		platinum thermometer \bullet Pt 100 1/3 DIN 43760 class B -30+70 °C \bullet \pm 0.1 °C at 0 °C -60+90 °C Pt 100 \bullet 4-wire circuit
Varieties:		see also Humidity-Temperature Sensors (809).
00.08241.000 000	(8241)	Air Temperature Sensor with protection roof against radiation
Range of application: Dimensions/ Weight:		grass temperature 50 mm above ground L 120 mm \cdot Ø 5 mm \cdot cable length 7.5 m \cdot approx. 1 kg incl. protectionand installation equipment (250 x 60 x 45 mm)
00.08280.008 503	(828)	Soil Temperature Sensor
Range of application: Dimensions/ Weight:		soil- or water temperature L 105 mm \cdot Ø 8 mm \cdot cable length 7.5 m \cdot approx. 0.4 kg
00.08281.008 005	(8281)	Air Temperature Sensor
		air temperature
Range of application: Dimensions/ Weight:		L 120 mm · Ø 5 mm · cable length 7.5 m · approx. 0.3 kg

