



Desert sand and frozen soil...

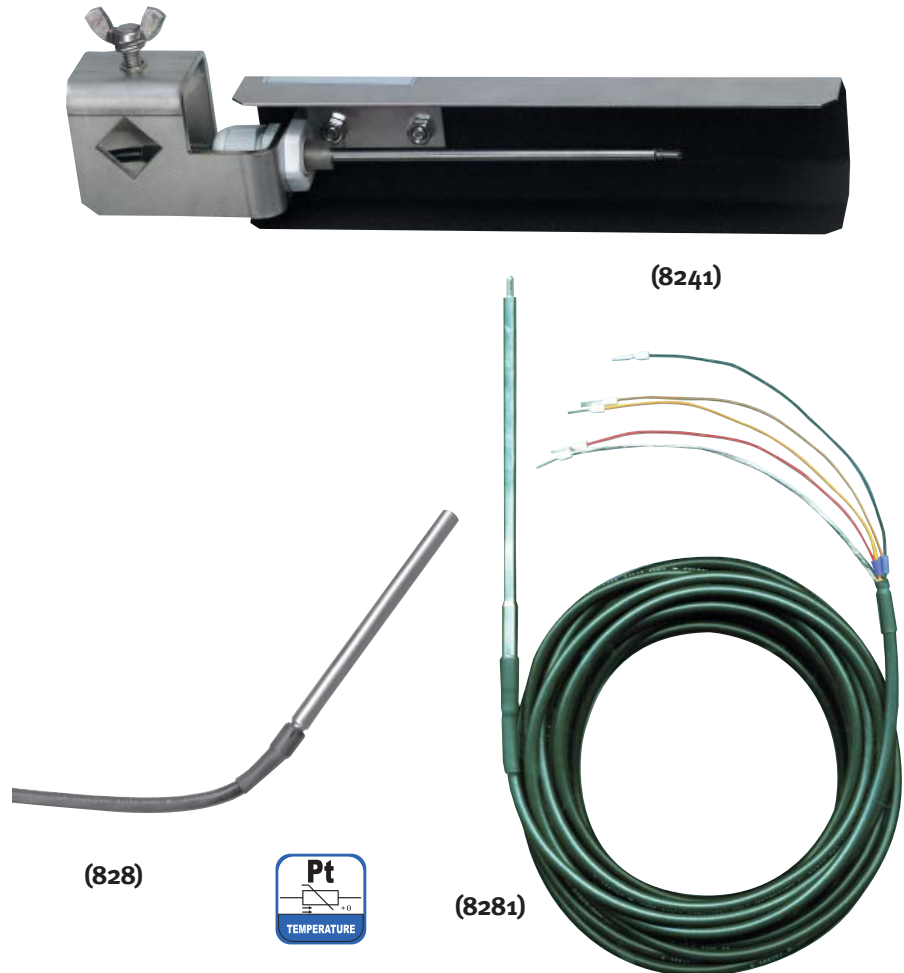
are the objects to be measured. They are the starting point for the right choice of sensors. The soil sensor (828) is waterproof and is used to measure water and soil temperatures precisely.

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

Measuring element:
Measuring range/ Accuracy:
Operating temperature:
Output:

Varieties:

00.08241.000 000

Range of application:
Dimensions/ Weight:

00.08280.008 503

Range of application:
Dimensions/ Weight:

00.08281.008 005

Range of application:
Dimensions/ Weight:

Accessories:

00.08141.400 000

32.08141.001 010

00.08763.012 002

Temperature Sensors

platinum thermometer • Pt 100 1/3 DIN 43760 class B
-30...+70 °C • ± 0.1 °C at 0 °C
-60...+90 °C
Pt 100 • 4-wire circuit

see also Humidity-Temperature Sensors (809).

(8241) Air Temperature Sensor with protection roof against radiation
grass temperature 50 mm above ground
L 120 mm • Ø 5 mm • cable length 7.5 m • approx. 1 kg incl. protection- and installation equipment (250 x 60 x 45 mm)

(828) Soil Temperature Sensor
soil- or water temperature
L 105 mm • Ø 8 mm • cable length 7.5 m • approx. 0.4 kg

(8281) Air Temperature Sensor
air temperature
L 120 mm • Ø 5 mm • cable length 7.5 m • approx. 0.3 kg

(8141.4) Sensor shelter
Adapter for mounting of sensor (8281)

(8763TH) Two-channel transducer (optional)