TEMPERATURE SENSORS

Air, water and soil temperature

(8241)

Desert sand and frozen soil...

are the objects to be measured. They are the starting point for the right choice of sensors. The sensor (828) is water-proof and is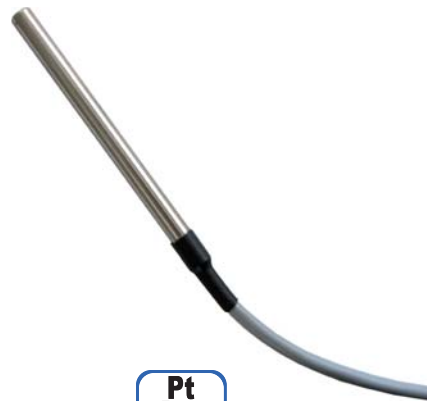 used to measure air, water and soil temperatures precisely. Best suited for temperatures of about 5 cm above ground (grass level) is instrument (8241), which includes radiation protection and mounting rod. For measurement of air temperatures in higher areas, sensor (8281) is best suited.

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

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

(828)

(8281)

Professional Line	Temperature Sensors
Measuring element:	platinum thermometer • Pt 100 1/3 DIN 43760 class B
Measuring range/ Accuracy:	-30...+70 °C • ± 0.1 °C at 0 °C
Operating temperature:	-60...+90 °C
Output:	Pt 100 • 4-wire circuit

Versions:

00.08241.000 000	**(8241)**	**Air Temperature Sensor** with protection roof against radiation
Range of application:		grass temperature 50 mm above ground
Dimensions/ Weight:		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)
00.08280.010 507	**(828)**	**Air, Soil, Water Temperature Sensor**
Range of application:		air, soil or water temperature
Dimensions/ Weight:		L 105 mm · Ø 8 mm · cable length 7.5 m · approx. 0.4 kg
00.08281.008 005	**(8281)**	**Air Temperature Sensor**
Range of application:		air temperature
Dimensions/ Weight:		L 120 mm · Ø 5 mm · cable length 7.5 m · approx. 0.3 kg

Accessories: (please order separately)

00.08141.600 000	**(8141.6)**	**Sensor shelter**
32.08141.001 010		**Adapter** for mounting of sensor (8281)
32.08280.010 060		**Armoured conduit** for ground installation (rodent protection) of sensor (828), 6 m
00.08763.012 002	**(8763TH)**	**Two-channel transducer** (optional)