
Temperature Transmitter

2.1230../ 2.1235..



Abb. 2.1235.00.0xx

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1 Models available

Description	Order-No.	Electr. Output	Meas. Range	Connect
Temperature Transmitter	2.1235.00.000	Pt100	-30 ..+100°C	PVC-cable, 5 m
Temperature Transmitter	2.1235.00.010	Pt100	-30 ..+100°C	PVC-cable, 10 m
Temperature Transmitter	2.1235.00.020	Pt100	-30 ..+100°C	PVC-cable, 20 m
Temperature Transmitter	2.1235.00.0xx	Pt100	-30 ..+100°C	PVC-cable, n * m
Water Temperature Transmitter	2.1235.01.000	Pt100	-50 ..+200°C	Teflon-cable, 5 m
Water Temperature Transmitter	2.1235.01.010	Pt100	-50 ..+200°C	Teflon-cable, 10 m
Water Temperature Transmitter	2.1235.01.020	Pt100	-50 ..+200°C	Teflon-cable, 20 m
Water Temperature Transmitter	2.1235.01.xxx	Pt100	-50 ..+200°C	Teflon-cable, n * m
Temperature Sensor	2.1230.00.000	Pt100	-30 ..+100°C	PVC-cable, 5 m

* n = cable length acc. to customer's request

2 Application

2.1.1 2.1235.00.0xx

The **Temperature Transmitter** is designed for measuring the soil temperature in different depths.

The sensor is a Pt 100 – resistance thermometer, enclosed built-in a stainless steel tube. The resistance thermometer is designed in 4-wire-circuit; thus the electrical line balance is inapplicable with this type of circuit. The PVC-cable is suitable for mobile use in the range from –30 to +70 °C, and for immobile use in the range from –5 to +70 °C.

2.1.2 2.1235.01.xxx

The **Water Temperature Transmitter** is designed for measuring liquid temperatures.

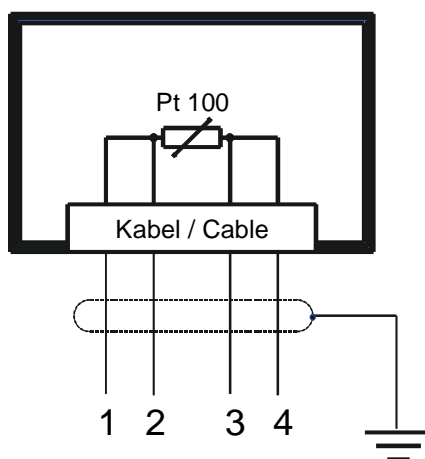
The sensor is a Pt 100 – resistance thermometer, enclosed built-in a waterproof and stainless steel tube. The resistance thermometer is designed in 4-wire-circuit; thus the electrical line balance is inapplicable with this type of circuit.. The teflon-cable is absolutely weather-proof, and well-suited for the use in the range from –50 to +200°C.

2.1.3 2.1230.00.000

In combination with an optional weather- and thermal radiation shield (1.1025.55.200) the **Temperature Sensor** is designed for measuring the air temperature.

The sensor is a glass Pt 100 – resistance thermometer built-in a plastic tube. The resistance thermometer is designed in 4-wire-circuit; thus the electrical line balance is inapplicable with this type of circuit. The PVC-cable is suitable for mobile use in the range from –30 to +70 °C, and for immobile use in the range from –5 to +70 °C.

3 Connecting Diagram



4 Technical Data

2.1235.00.0xx

Measuring element	Pt100 1/3 class B
Accuracy	0,1°C at 0°C
Sensor dimensions	Ø 6 x 100 mm
Cable type	PVC, LiYCY 4 x 0,25 mm ²
Cable length	See models available

2.1235.01.0xx

Measuring element	Pt100 1/3 class B
Accuracy	0,1°C at 0°C
Sensor dimensions	Ø 6 x 100 mm
Cable type	Teflon, LiYCY 4 x 0,25 mm ²
Cable length	See models available

2.1230.00.000

Measuring element	Pt100 1/3 class B
Accuracy	0,1°C at 0°C
Response time	T90 = 28 seconds
Sensor dimensions	Ø 7 x 111 mm
Cable type	PVC, LiYCY 4 x 0,14 mm ²
Cable length	See models available

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