


Temperature



Electrical Transmitters

Air Temperature Transmitter with Thermal Radiation shield


The instrument is designed to measure the temperature out-of-doors precisely. It has a specially constructed well- ventilated thermal radiation shield made of an anodized aluminum.

Order No.	Technical Data		
	2.1260.00.000	Measuring range	- 30 ... + 50°C
		Measuring element	Pt 100 acc. to IEC 751
		Accuracy	± 0,1 K
		Electr. connection	4-lead circuit
		Connection	4-pole clamp
		Dimension	120 ∅ x 400 mm
		Weight	0,8 kg

Ventilated Air Temperature Transmitter

This instrument is designed to measure the precise air temperature with the air of a ventilated sensor. The sensor is protected by a double thermal radiation shield. A built-in ventilator provides for the necessary air flow.

Order No.	Technical Data	
2.1265.20.000	Operating voltage	12 V AC/ 6 VA or
		24 V AC/ 11 VA or

	2.1265.22.000	Operating voltage	24 V DC/ 8 W
		Measuring element	12 V DC/ 4 W
		Accuracy	Pt 100 acc. to IEC 751
		Ventilation	± 0,15 K
		Electr. connection	6 m/s
		Connection	4-lead circuit
		Dimension	plug
		Weight	160 ± x 435 mm
			3,5 kg

Temperature-Sensor *compact*

Electrical measured value receiver to measure the ambient temperature. The measured value is emitted as a resistance value in accordance with IEC 751 resp. as an analogue voltage or current signal.

Order No.	Technical Data	
2.1280.00.xxx	Electr. output	Accuracy
.000	Pt 100 (IEC 751)	± 0,1 K
.141	4 ... 20 mA	± 0,3 K
.161	0 ... 10 V	± 0,2 K
	Measuring range	- 30 ... + 70 °C
	Time constant	20 s (90 %)
	Ambient temp.	- 40 ... + 80 °C
	Operating voltage	
	I-output	12 - 30 V DC
	U-output (10 V)	24 V DC ± 10 %



Internal power consumption	approx. 5 mA (10 V)
Cable	5 m long
Dimension	20 μ x 138 mm
Weight	0,35 kg

Weather and Radiation Protection Case, compact

Protective case for the preceding temperature sensor compact for installation out-of-doors. This case essentially eliminates the influence of weather and radiation errors which affect the measurement result.

Order No.	Technical Data	
1.1025.55.000	without Ventilator	
.100	with Ventilator	12 V DC ; 1,3 W



Material	syn. Laminations, white
Mounting	non-corroding holder
Cable	5 m, for model ...100
Dimension	120 μ x 270/290 mm
Weight	0,75 kg