

TEMPERATURE

Temperature Sensor compact

Part number: 2.1280.00.7xx

The measured value is emitted as a resistance value in accordance with DIN IEC 60751 resp. as an analogue voltage or current signal.



Specification

Part number: 2.1280.00.7xx

Temperature	
Measuring range	-30 ... +70 °C
Meas. element	Pt 100 acc. to DIN IEC 60751 1/3 class B
Time constant	20 s (90%)
General	
Ambient temp.	-40 ... +80 °C
Electr. connection	7 pol. plug
Dimension	Ø 20 x 138 mm
Weight	0.35 kg

Versions

As per 2.1280.00.7xx, but:

Product number 2.1280.00.760

Temperature	
Accuracy	±0.2 K
Electr. output	0 ... 1 V
Operating voltage	
Electronic	6 ... 30 V DC
Current consumption	ca. 1 mA







Product number 2.1280.00.761

Temperature

Accuracy	±0.2 K
Electr. output	0 ... 10 V
Operating voltage	
Electronic	15 ... 30 V DC
Current consumption	ca. 5 mA

Accessories

Product	Product name	Brief description
	Teflonfilter with gauze ZE 20 1.1005.54.901	This hood is placed over the sensor and protects the measurement element from coarse dirt.
	Sinter Filter ZE 21 1.1005.54.902	This basket is placed over the sensor and protects the measurement element from high wind speed (>5 m/s) and increased dust. A necessity for sensors in use in exposed areas, eg. in marine climates, desert, mountains.
	Wall Holder 1.1005.54.903	for mounting the temperature (2.1280.xx.xxx) or hygrothermo Sensor (1.1005..xx.xxx) onto a wall, radiation- and precipitationprotected use (for ex. indoor) General Clamping range ∅ 20 mm Mounting plate with with drillings 3 x ∅ 6,5 mm Material plastic, grey flange Dimension 96 mm lang Weight 0.075 kg
	Weather and Thermal Radiation Shield, compact 1.1025.55.000	Protective case for the temperature and humidity sensors (2.1280.xx.xxx and 1.1005.54.xxx)sensor compact for outdoor installation without artificial ventilation. Material Laminations plastic, white Mast holder stainless stell General Mounting at tube ∅ 35 ... 50 mm Dimension ∅ 120 x 275 mm Weight 0.8 kg





Weather and Thermal Radiation Shield, compact
1.1025.55.100

Protective case for the preceding temperature sensor compact for outdoor installation with artificial ventilation.

Material

Laminations	plastic, white
Mast holder	stainless stell

General

Power supply	12V DC, 2 W
Electr. connection	5 m cable
Mounting	at tube Ø 35 ... 50 mm
Dimension	Ø 120 x 275 mm
Weight	0.8 kg

