

# TEMPERATURE

## Temperature Sensor compact

Part number: 2.1280.00.1xx

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: 2.1280.00.1xx

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	5 m cable
Dimension	Ø 20 x 138 mm
Weight	0.35 kg

## Versions

As per 2.1280.00.1xx, but:

Product number 2.1280.00.141

Temperature	
Accuracy	±0.3 K
Electr. output	4 ... 20 mA
Operating voltage	
Electronic	12 ... 30 V DC
Current consumption	ca. 5 mA



**Product number 2.1280.00.160**

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



**Product number 2.1280.00.161**

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




**Product number 2.1280.00.173**

Temperature	
Accuracy	±0.2 K
Electr. output	0 ... 5 V
Operating voltage	
Electronic	12 ... 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.



	<b>Wall Holder</b> 1.1005.54.903	<p>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)</p> <table border="1"> <tr> <td colspan="2"><b>General</b></td> </tr> <tr> <td>Clamping range</td> <td>Ø 20 mm</td> </tr> <tr> <td>Mounting</td> <td>plate with with drillings 3 x Ø 6,5 mm</td> </tr> <tr> <td>Material</td> <td>plastic, grey flange</td> </tr> <tr> <td>Dimension</td> <td>96 mm lang</td> </tr> <tr> <td>Weight</td> <td>0.075 kg</td> </tr> </table>	<b>General</b>		Clamping range	Ø 20 mm	Mounting	plate with with drillings 3 x Ø 6,5 mm	Material	plastic, grey flange	Dimension	96 mm lang	Weight	0.075 kg						
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	<b>Weather and Thermal Radiation Shield, compact</b> 1.1025.55.000	<p>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.</p> <table border="1"> <tr> <td colspan="2"><b>Material</b></td> </tr> <tr> <td>Laminations</td> <td>plastic, white</td> </tr> <tr> <td>Mast holder</td> <td>stainless stell</td> </tr> <tr> <td colspan="2"><b>General</b></td> </tr> <tr> <td>Mounting</td> <td>at tube Ø 35 ... 50 mm</td> </tr> <tr> <td>Dimension</td> <td>Ø 120 x 275 mm</td> </tr> <tr> <td>Weight</td> <td>0.8 kg</td> </tr> </table>	<b>Material</b>		Laminations	plastic, white	Mast holder	stainless stell	<b>General</b>		Mounting	at tube Ø 35 ... 50 mm	Dimension	Ø 120 x 275 mm	Weight	0.8 kg				
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