

Temperature Measurement  
Resistance thermometers

Resistance thermometers for damp rooms

Overview	
The resistance thermometer for damp rooms is suitable for a temperature range from -30 to +60 °C (-22 to +140 °F).	
Technical specifications	
Protective tube	Made of stainless steel
Connection head	Made of cast light alloy, with cable bushing; made of plastic on request
Measuring insert	1 or 2 Pt measuring resistors to DIN EN 60751, connection in three-wire or two-wire system, class B
Degree of protection	IP65 acc. to DIN EN 60529

Dimensional drawings	

Resistance thermometer for damp rooms, dimensions in mm (inches)

Selection and Ordering data	Article No.
<b>Resistance thermometer for damp rooms</b> stainless steel protective tube	
• with one Pt100 measuring resistor 0.1 kg (0.22 kg)	<b>7MC1027-1AA</b>
• with two Pt100 measuring resistors 0.1 kg (0.22 kg)	<b>7MC1027-1AB</b>
<b>Further designs</b> Please add <b>'-Z'</b> to Article No. and specify Order code(s) and plain text.	Order code
Special version, specify in plain text	<b>Y98</b>
Process number for special version	<b>Y99</b>
TAG plate made of stainless steel specify TAG No. in plain text	<b>Y15</b>
Calibration carried out at one point, specify desired temperature in plain text (order equivalent number of times for several calibration points). If optional head transmitters are integrated, please note that all calibration points are located in the set measuring range. If the points are located outside the standard measuring range, a Y11 addition is always required.	<b>Y33</b>

**To order a temperature transmitter installed in the connection head and transmitters for SIL applications, see "Temperature transmitters for mounting in the connection head" (page 2/113).**

**Note:**  
Additional fitting of head mounted transmitter of SITRANS TH series is possible.