

## Temperature Measurement

### Resistance thermometers

#### Resistance thermometers for damp rooms

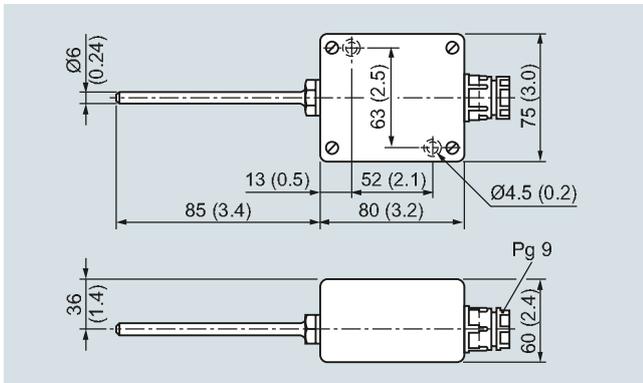
#### Overview

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.

#### Resistance thermometer for damp rooms

stainless steel protective tube

- with one Pt100 measuring resistor  
0.1 kg (0.22 kg)
- with two Pt100 measuring resistors  
0.1 kg (0.22 kg)

**7MC1027-1AA**

**7MC1027-1AB**

#### Further designs

Please add **'-Z'** to Article No. and specify Order code(s) and plain text.

Order code

Special version, specify in plain text

**Y98**

Process number for special version

**Y99**

TAG plate made of stainless steel  
specify TAG No. in plain text

**Y15**

Calibration carried out at one point, specify desired temperature in plain text (order equivalent number of times for several calibration points).

**Y33**

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.

**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.