

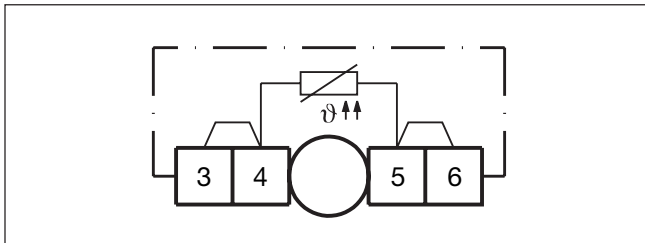
Pt100 Temperature Sensor Duct Version



Pt100 Temperature Sensor

Application:

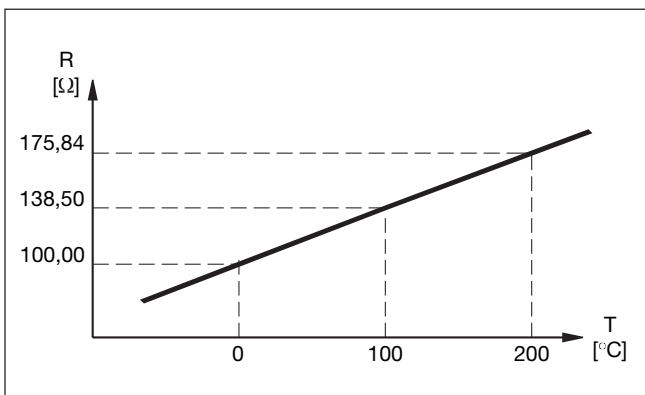
The sensor measures the temperature of gaseous media, e.g. in air flow ducts. The resistance of the sensor is directly proportional to the medium temperature.



Connection Diagram

Functional description:

The device is equipped with a Pt100 resistance temperature sensor. 4-wire connection for lead compensation is possible.

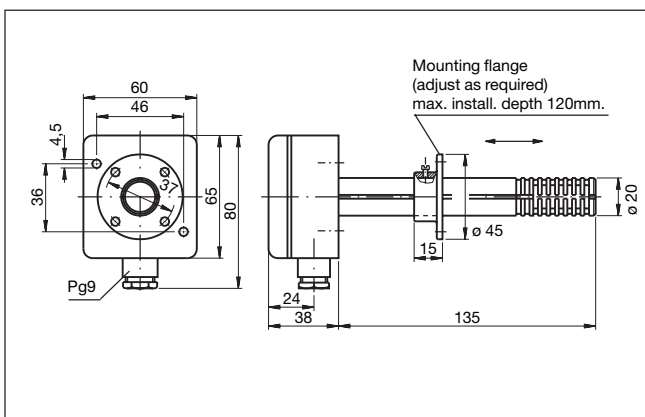


Characteristic Curve of a Pt100 acc. to EN 60751 cl. B

Technical data

Amb. temperature range	-20...+80°C
Measuring range	-20...+80°C
Measuring accuracy	± 0,5K
Current max.	2mA
Sensor	Pt100 acc. to EN 60751 class B
Max. air velocity	35m/s
Duty cycle	ED 100%
Material	PA6 GF30
Protection class	probe: IP20 house: IP40
acc.to EN 60529	
Max. installation depth	120mm
Weight	appr. 130g
Part-No.	02 D 649

Other sensor components on request



Dimensions in mm

Subject to technical modifications without notice