

RTD Sensor

for Temperature Measurement



Description

As it relates to differential pressure meters the RTD Sensor is used mainly in conjunction with a multivariable transmitter that compensates for temperature and pressure changes in the process being measured. The RTD sends the process temperature to the multivariable transmitter so that it can use the temperature along with the process pressure and differential pressure from the primary flow meter to calculate and output a flow signal.

Special Features

- Various options to suit the application
- Custom lengths for the line size required
- Hazardous location product approvals and certifications
- Calibration certificates available
- High accuracy
- Various sensor mounting styles

Common Materials

- 316 Stainless Steel

Other Available Materials

- 321 Stainless Steel
- Alloy 600

Applications

- Hydrocarbon, Liquids and Gas Process
- Steam and Water
- Oil production and refining
- Chemical and Petrochemical industry

Specifications

Function Purpose: Measure the process temperature

Service Functional Limits: There are process temperature limits that have to be adhered to which vary with the RTD manufacturer

Applications: Most gases, steam, liquids

Common Materials: The RTD is made of various materials, but it is most commonly used with a thermowell to protect the sensor. 316 Stainless Steel is the most common material for the thermowell.

Other Available Materials: 321 Stainless Steel and Alloy 600