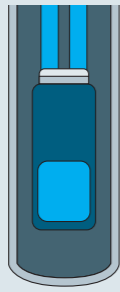
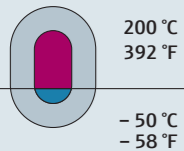


Basic thinfilm Pt100 (RTD)

Thinfilm sensor consisting of ceramic substrate with vapor-deposited platinum
Sensing element and wiring in stainless steel sheath

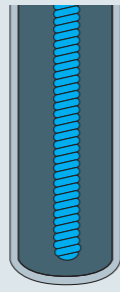
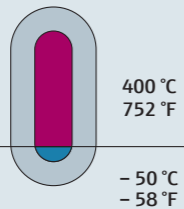
- + Measurement performance sufficient for most support processes
- Limited measurement range



Standard thinfilm Pt100 (RTD)

Small sensor consisting of ceramic substrate with vapor-deposited platinum
Embedded in mineral isolated stainless steel sheath

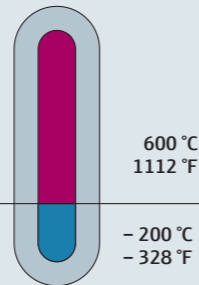
- + Long-term stability
- + Vibration resistance
- Limited measurement range



Wirewound Pt100 (RTD)

Ultrapure platinum wire wound around a ceramic core
Embedded in mineral isolated stainless steel sheath

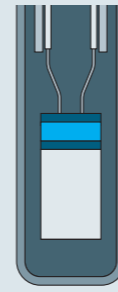
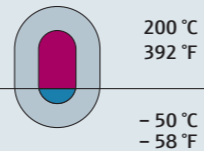
- + Long-term stability
- + High measurement repeatability
- Relative cost
- Susceptible to mechanical stress



iTHERM QuickSens Pt100 (RTD)

Thinfilm sensor with unmatched response time
Sensor-on-tip technology for short immersion length

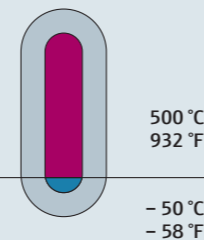
- + World's fastest response time
- + Maximum process safety
- Limited measurement range



iTHERM StrongSens Pt100 (RTD)

Ceramic-encapsulated thinfilm with unmatched robustness
Vibration resistance up to 60g (2,116 oz) for lower life cycle cost

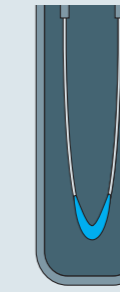
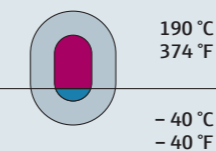
- + World's highest vibration resistance
- + Robust
- + Long lifetime and plant availability
- Limited measurement range



iTHERM TrustSens Pt100 (RTD)

Self-calibrating sensor unit
Pt100 sensor and integrated fixed point reference, making use of the Curie effect

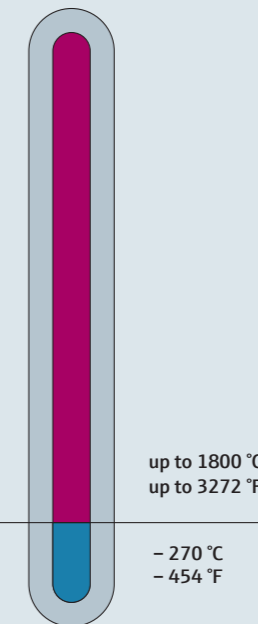
- + Self-calibrating
- + High degree of automation
- + Risk reduction
- Limited measurement range



Thermocouple (TC)

Two dissimilar metals spot welded (hot junction)
Ideal for high temperatures

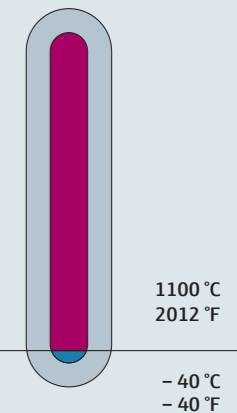
- + Measurement range
- + Ideal for high temperatures
- Long-term stability
- Limited accuracy



iTHERM ProfileSens Thermocouple (TC)

Up to six individual sensors
MI cable mineral insulated (MgO powder)
Double metal sheathing technology

- + Robust and reliable
- + For high temperatures, pressure, aggressive media
- + Increased plant safety
- Limited accuracy (compared to RTD)



Exclusive Endress+Hauser technology

Exclusive Endress+Hauser technology

Exclusive Endress+Hauser technology

Exclusive Endress+Hauser technology