Rosemount™ RTDs are designed with the latest technology for longer life and increased reliability

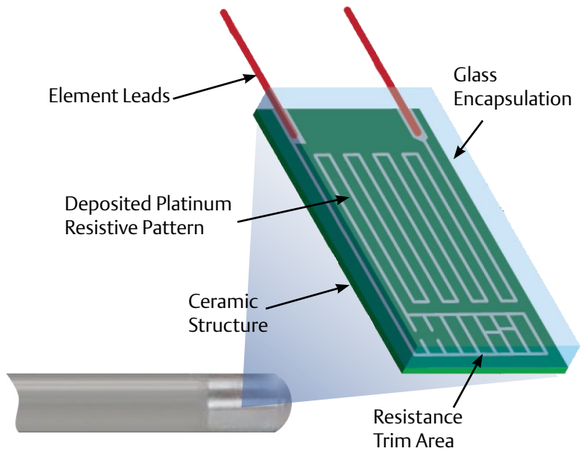
High Temperature Thin-film RTD Sensors

Precise temperature measurement to meet every need.

EMERSON™

You get more for your money

Thin-Film RTD Element Construction



Potted with a robust glassy encapsulation to ensure mechanical protection and a moisture seal.

Platinum RTD Element

- Most predictable response to temperature changes
- Intrinsically resistant to chemicals and temperatures
- Advances in technology provides a wide temperature range

Reliable

- Solid-state element construction provides excellent shock and vibration resistance
- Resistant to thermal shock, pressure and stress
- Resistance is virtually linear to temperature readings for definitive results

Built with Precision

- A quality-tested and repeatable process reduces failures due to the manufacturing process
- Ability to manufacture with accuracy for improved product consistency

Thin film sensor overview

Wirewound sensor elements were introduced in the early 1900s, and for the next 100 years dominated the market as the sensor of choice. By the mid-1970's thin film RTD element's were introduced into the market, but because of their high cost and limited accuracy they did not take root as a viable sensor option.

Due to technological advances in manufacturing, thin film sensors have overcome their deficiencies. Today, solid-state construction of thin film sensors provide superior accuracy and vibration resistance and with a lower cost than wirewound elements, delivering better performance and value. More recent improvements in thin film element manufacturing capabilities have now catapulted them into applications traditionally reserved for wirewound elements.

For more information on Thin Film RTD sensors visit: Emerson.com/RosemountRTDsensors

The ultimate in sensor technology for reliable temperature measurement

Rosemount 214C RTD Temperature Sensor

- Choose from many calibration options in a range of temperatures and mounting styles to meet your application needs.

A non-intrusive option to avoid leaks and risk of process contamination

Rosemount 0085 Pipe Clamp Temperature Sensor

- An ideal solution for applications with high velocities, heavy liquids or particulates.

Suitable for clean-in-place (CIP), dead-pocket free, measurement applications

Rosemount 68Q RTD Temperature Sensor

- Designed with a Tri Clamp® sanitary endcap configuration for easy installation and its aseptic process connection for hygienic process environments.

Thin film sensors are the most advanced sensor technology available.

For more information visit Emerson.com/RosemountRTDsensors or speak with your customer service representative.

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