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# Precision Temperature Sensors for Data Centers

Reliable | Rugged | Repeatable

Reliable temperature measurement is the foundation of efficient data center operations. Curtiss-Wright's Resistance Temperature Detectors (RTDs) deliver the precision and stability required to maintain optimal thermal conditions across today's high-density server environments. Designed for accuracy and repeatability, our RTDs ensure operators have the critical data needed to protect infrastructure and maintain uptime.

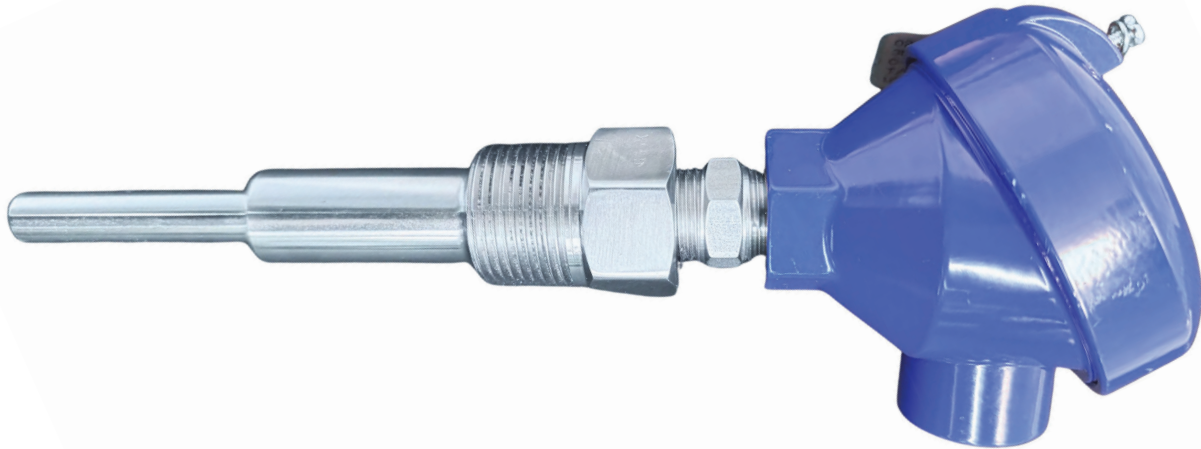
Cooling system monitoring represents a rapidly growing application segment, as data center operators seek to optimize the performance and efficiency of their cooling

infrastructure. Temperature sensors play a crucial role in monitoring the operation of chillers, CRAC units, and liquid cooling systems, enabling operators to detect anomalies, prevent failures, and ensure consistent cooling delivery.

As the industry continues to prioritize sustainability and energy efficiency, the adoption of advanced cooling system monitoring solutions is expected to accelerate, driving demand for high-performance temperature sensors.

To find out more about our data center RTDs, contact us today at [RNR-Sales@curtisswright.com](mailto:RNR-Sales@curtisswright.com)

# Resistance Temperature Detectors



## Proven Reliability

Our sensors are built on decades of field-proven performance, delivering consistent accuracy in even the most demanding data center environments. Designed for 24/7 performance, our sensors deliver consistent, repeatable results over time - minimizing drift and reducing maintenance concerns in mission-critical applications.

## Uncompromising Accuracy

Our RTDs provide precise, stable measurements that enable tighter thermal control across cooling racks, helping prevent hotspots and ensuring optimal operating conditions for critical equipment. Our accuracy standard is DIN-B with optional DIN-A and others available upon request. We can also verify accuracy in our ISO/IEC 17025:2005 calibration facilities.

## Rugged by Design

Built to withstand the challenges of data center infrastructure, our RTDs offer robust construction that performs reliably in air and liquid cooling systems. Sensors we design and manufacture range from simple direct immersion sensors to complete sensor assemblies, including sensor, thermowell, connection head, and transmitter. Sensors are packaged to provide exceptional accuracy, stability and reliability in harsh environments.

## Background in Harsh Environments

Curtiss-Wright's harsh environment heritage stretches back nearly 60 years. Throughout, we have maintained a total commitment to quality and safety, designing and manufacturing sensor technologies that accurately measure forces associated with industrial processes.

## CURTISS-WRIGHT

Curtiss-Wright is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding Commercial Nuclear Power, Process and Industrial markets. We leverage a workforce of approximately 9,100 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships.