

Rosemount™ 65Q Hygienic RTD Sensor

Industry-leading accuracy



WHAT IF...

...you could improve the accuracy of your applications?

...you could easily comply with demanding industry standards and regulations?

CHALLENGE

The critical measurement points in your hygienic application demand an accurate temperature solution to maximize valuable information, while reducing the risk of contamination by providing an easy-to-clean assembly.

OUR SOLUTION

The Rosemount 65Q Hygienic RTD sensor paired with Rosemount's 644H transmitter-sensor matching option minimizes RTD errors, thus increasing accuracy. The Rosemount 65Q Hygienic RTD places Emerson's sensor technologies in a sanitary package to provide industry-leading accuracy which meets 3-A and ASME BPE industry standards.

HOW IT WORKS

The Rosemount 65Q Hygienic RTD sensor paired with the Rosemount 644H Temperature Transmitter offers a stainless steel design with sanitary process connections guaranteeing the integrity of sanitary processes with...

- Transmitter-sensor matching – ± 0.38 °F (0.21 °C) total system accuracy
- Multiple connection and surface finish options
- Documentation showing compliance with industry standards



For more information visit www.EmersonProcess.com
or contact your local Emerson Sales Representative



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ADVANCED CAPABILITIES

Best-in-Class Performance

- Stainless steel surface finish 32 µin or better
- CIP/SIP up to 392°F (200 °C)
- LCD display screen option when paired with the Rosemount 644H Temperature Transmitter

Batch-to-Batch Repeatability









The Rosemount 65Q paired with the Rosemount 644H transmitter-sensor matching has a total system accuracy of ± 0.38 °F (0.21 °C), ensuring each batch is measured accurately and consistently to reduce variability.

Advanced Diagnostics

As a sensor degrades, the temperature it reports can drift from the actual value, decreasing measurement point integrity. The Sensor Drift Alert function continuously monitors two sensor readings to detect a drifting sensor.



EMERSON'S FULL PORTFOLIO OF HYGIENIC INSTRUMENT SOLUTIONS

PRESSURE TRANSMITTERS AND SEALS	TEMPERATURE SENSORS AND TRANSMITTERS	FLOWMETERS AND TRANSMITTERS	ANALYTICAL TRANSMITTERS AND SENSORS
Pressure Transmitters	Temperature Sensors	Coriolis Flowmeters	Transmitters and Analyzers
			
Sanitary Remote Seals	Temperature Transmitters	Magnetic Flowmeters	Conductivity, pH, and Dissolved O ₂ Sensors
			

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