

Temperature Measurement Assembly with Rosemount X-well™ Technology

Accurately measure process temperature without a thermowell or process penetration



CHALLENGE

Surface temperature measurement does not provide an accurate or repeatable representation of the internal process temperature. Conversely, while accurate, temperature measurement points using thermowells are complex to design and install, increase the risk of process leaks and lead to high maintenance costs.

OUR SOLUTION

Rosemount X-well Technology provides a complete point solution for accurately measuring internal process temperature without the requirement of a thermowell or process penetration. This capability delivers an accurate process temperature while simplifying specification, installation and maintenance, and eliminating possible leak points.

HOW IT WORKS

- Rosemount X-well Technology calculates a repeatable, accurate internal process temperature measurement based on thermal conductivity properties of the temperature assembly and process piping
- Industry first process temperature accuracy specification from a surface measurement

WHAT IF YOU COULD ACCURATELY MEASURE PROCESS TEMPERATURE WHILE...

...reducing installation time and cost?

...lowering maintenance costs and improving plant availability?

...improving environmental compliance and safety?






Rosemount™ 648 and 0085 Temperature Measurement Assembly with Rosemount X-well Technology

For more information visit
www.EmersonProcess.com/Rosemount-Xwell
or contact your local Emerson™ Sales Representative

Temperature Measurement Assembly with Rosemount X-well Technology

OPEX SAVINGS

 Reduce Life Cycle Cost	 Reliability + Safety	 Increase Production
<p>Reduced maintenance frequency</p> <p>Simplifies calibration</p> <p>Easier maintenance</p> <ul style="list-style-type: none"> • No removal for pigs • No lockout/tagout <p>Redesign not required for retrofit</p>	<p>No possible leak points</p> <p>Measurement point does not contact process/unaffected by</p> <ul style="list-style-type: none"> • Wake frequency • Corrosion • Abrasive fluids • Viscous fluids • Bending stresses 	<p>Reduced process shutdown</p> <ul style="list-style-type: none"> • Increased throughput <p>Accurate temperature measurement</p> <ul style="list-style-type: none"> • Improved quality • Energy savings

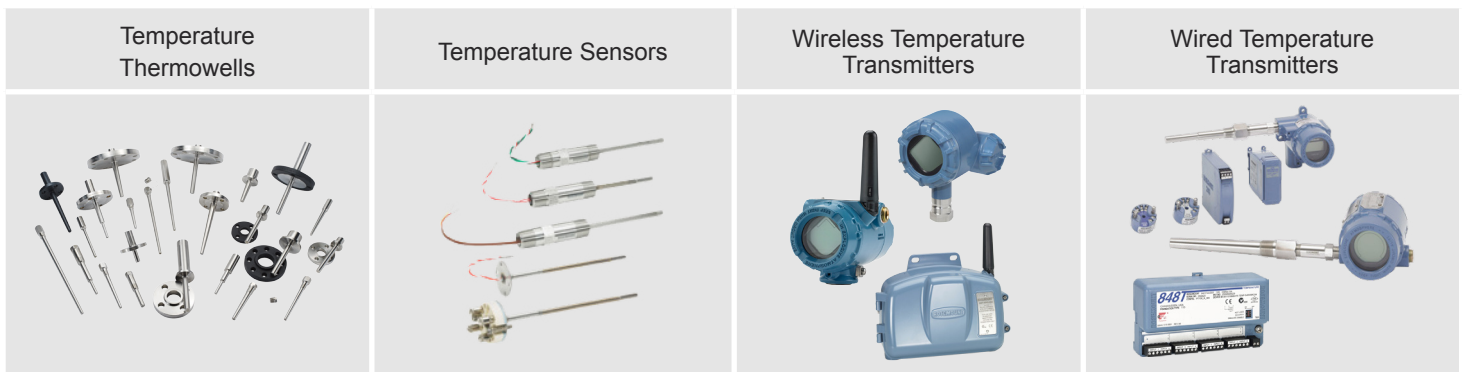
ORDERING

The Rosemount 648 Wireless Temperature Transmitter can be ordered with Rosemount X-well Technology via the “PT” model code option and must be factory configured with the addition of the “C1” model option code which requires user supplied information of process pipe material and pipe schedule. When using Rosemount X-well Technology, the Rosemount 648 is required to be assembled to the Rosemount 0085 Pipe Clamp RTD Sensor in a direct mount configuration.

Enhanced performance

PT	Temperature Measurement Assembly with Rosemount X-well Technology	★
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EMERSON'S FULL PORTFOLIO OF TEMPERATURE SOLUTIONS



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Standard Terms and Conditions of Sale can be found at

www.Emerson.com/en-us/pages/Terms-of-Use.aspx

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