

Temperature Measurement Assembly with Rosemount™ X-well™ Technology

Simplify temperature design and reduce project risk



CHALLENGE

Traditional insertion-style temperature measurement points using thermowells are challenging to design and specify, complex and time consuming to install and present many project risks.

Surface point measurements do not meet the specified performance requirements.

OUR SOLUTION

Rosemount X-well Technology provides a complete point solution for accurately measuring process temperature without the requirement of a thermowell or process penetration. This capability simplifies temperature measurement point specification and installation, while reducing start up time and lowering project risk.

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.

WHAT IF...

- ...you could simplify the design and engineering of your temperature measurement point?
- ...you could reduce risk of rework due to specifying an incorrect part?
- ...you could get the measurement point up and running faster?



Rosemount 3144P and 0085 Temperature Measurement Assembly with Rosemount X-well Technology



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

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



Temperature Measurement Assembly with Rosemount X-well Technology

SPECIFICATION AND ORDERING

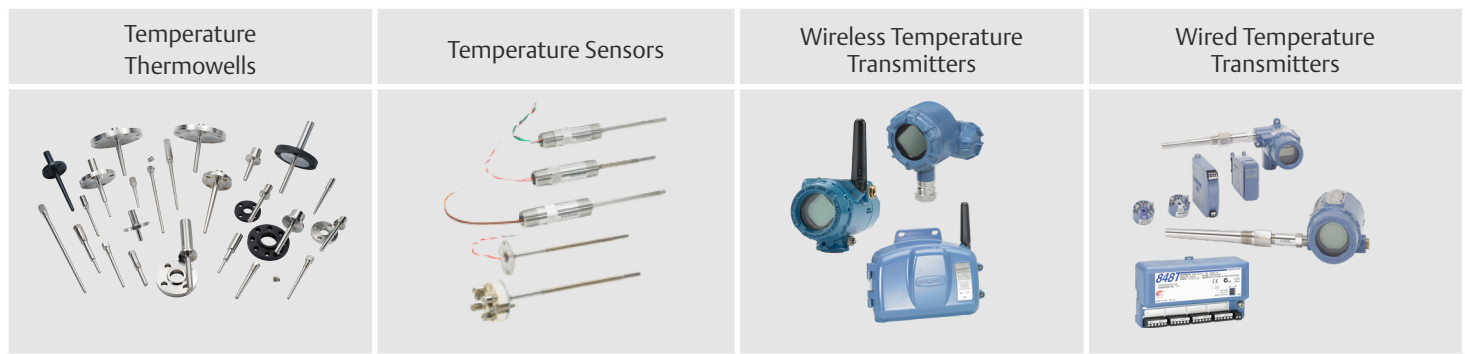
BEFORE		AFTER	
Thermowell		Rosemount X-Well Technology	
Must specify:	<ul style="list-style-type: none"> • Length • Material • Stem profile • Process connection • Process information for wake frequency calculations (flowrate, pressure, temperature, viscosity) 	Must specify:	<ul style="list-style-type: none"> • Pipe material, diameter, and schedule

The Rosemount 3144P Temperature Transmitter or 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 3144P or 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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