ACHIEVE PROJECT CERTAINTY WITH ROSEMOUNT™ X-WELL™ TECHNOLOGY

Simplify temperature design and reduce project risk.

What is Rosemount X-well Technology?

Rosemount™ X-well™ Technology measures process temperature accurately and reliably without a thermowell or process penetration. It measures ambient and pipe temperatures, then calculates process temperature using a thermal conductivity algorithm created by Emerson, the first company to introduce non-intrusive process temperature measurement.

Rosemount X-well Technology is available with both the Rosemount 648 Wireless Temperature Transmitter and Rosemount 3144P Wired Temperature Transmitter.

Reduce Cost and Complexity
- Reduce design and engineering costs by up to 65% compared to traditional thermowell installations
- Eliminate pipe modifications to accommodate thermowells
- Avoid complex decision-making required to determine location, style, and insertion depth of thermowells

Realize Project Flexibility Advantages
- Reduce installation and maintenance time by up to 70%
- Easily retrofit or move your temperature measurement without difficulty
- Reduce inventory spare requirements with the Universal Pipe Mount design
- Available in both wireless and wired protocols

Reduce Risk of Start-up Delays
Maintain your project schedule even when late-stage design changes or additions occur.

Eliminate Wake Frequency Calculations
No pipe penetration means no Wake Frequency Calculations and associated re-work due to design or process changes.

Deploy for Emergency Measurement
Rosemount X-well can be installed without requiring a process shutdown, making it the ideal solution for when traditional insertion temperature measurements fail.

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

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Accommodate Change

Unlike traditional thermowells that require nine design inputs for installation, Rosemount X-well requires only three basic parameters: pipe diameter, schedule, and material.

Each of these parameters can be reconfigured within the transmitter software in a matter of minutes to accommodate any project changes.

Rosemount X-well's Universal Pipe Mount banding solution accommodates a wide range of pipe sizes (4-60", DN100-1500).

Simply specify a pipe size in your model number to receive banding length appropriate for that size pipe or smaller, down to 4", DN100.*

How does Rosemount X-well Technology reduce project schedule risk?

Rosemount X-well can be specified and purchased before all piping details and process parameters are finalized due to the Universal Pipe Mount's flexible design.

Rosemount X-well Technology can also act as a companion to traditional thermowells, operating as a reliable temporary or permanent measurement solution in cases when thermowells undergo latestage design changes or encounter shipment delays.

*If ordered assembled with a Rosemount X-well enabled transmitter, ensure the proper line size is configured in the device software prior to installation.

For more information, visit
Emerson.com/Rosemount-X-well

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