

# ROSEMOUNT™ X-WELL™ TECHNOLOGY WITH THE ROSEMOUNT 3144S TEMPERATURE TRANSMITTER

Non-intrusive process temperature measurement in high temperature applications.

## Rosemount X-well Technology with the Rosemount 3144S Temperature Transmitter

Rosemount™ X-well™ Technology measures process temperature accurately and reliably without a thermowell or process penetration. It measures pipe and secondary temperatures, which it uses to calculate process temperature via a thermal conductivity algorithm created by Emerson, the first company to develop non-intrusive process temperature measurement.

When paired with the [Rosemount 3144S Temperature Transmitter](#), you can access high temperature applications, mount the transmitter remotely or directly, and measure in Safety Instrumented Systems (SIS) applications.



### Measure up to 650°C (1202°F)

When using Rosemount X-well Technology with the Rosemount 3144S Temperature Transmitter, you can measure process temperature in applications with temperatures up to 650°C (1202°F), allowing for non-intrusive process temperature measurements on a wider range of applications.

### Remote Mount Capable

Mount your Rosemount 3144S Transmitters where you want for easy access and optimal display visibility.

### Safety Assurance

Rosemount X-well Technology with the Rosemount 3144S Temperature Transmitter is available with SIL2 certification (to IEC 61508) and SIL3 capability to help ensure your application's safety needs are met.

**Does Rosemount X-well meet your application's needs?** Input your process conditions into our [Temperature Product Advisor tool](#) and receive performance comparisons and time response calculations to help determine if Rosemount X-well Technology is a good fit for your application.

For more information, visit  
[Emerson.com/Rosemount-X-well](https://www.emerson.com/Rosemount-X-well)

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