

**Unlock New Temperature  
Monitoring Applications.**



**Rosemount™ Synchros™ Temperature Monitor**

An accessible, flexible, reliable, and cost-effective solution to gain more temperature measurement insights.



## Greater visibility into the health of your assets



Discover new asset monitoring and reliability temperature measurement points with the Rosemount Synchron Temperature Monitor. This easy-to-use wireless temperature monitoring device utilizes your new or existing WirelessHART® network to reliably measure surface or ambient temperature. The Rosemount Synchron Temperature Monitor is part of the Emerson Synchron IIoT platform, which revolutionizes asset and condition monitoring by providing industrial operators with increased accessibility to measurement points, seamless wireless connectivity, various sensor options, and robust data integration.

**ROSEMOUNT™**





## Expand Data and Insights

- Unlock new temperature measurement points where measurements were not obtained previously
- New user-owned data allows for predictive maintenance to increase plant safety and reliability
- Option to integrate with Emerson's Plantweb Insight™ Asset View application to manage your Synchros devices and configure asset specific alerts
- Receive more insights into your entire process when used in conjunction with other Synchros devices

## Ensure Security and Reliability

- Utilize WirelessHART protocol to ensure secure and reliable measurement data
- Increase the robustness of an existing or new WirelessHART network through the addition of Synchros devices in your facility
- Easy configuration and management of self-organizing networks with the Emerson Wireless 1410S Gateway

## Gain Simplicity

- Eliminate manual rounds with this cost-effective solution
- Install quickly and easily, saving you time and resources
- User-friendly configuration and operation minimizes time spent commissioning and reduces the need for specialized training
- Order battery, integral thermocouple, and mounting accessories all in one model number

## Monitor Anywhere

- Monitor surface and ambient temperature in a variety of applications
- Select from various mounting solutions, including bracket, pipe, and (soon to come) magnetic mount, based on your application requirements
- Easily relocate devices anywhere in your facility
- Designed for robust monitoring in hazardous locations

# Explore New Temperature Monitoring Applications



*The Rosemount Synchros Temperature Monitor is ideal for monitoring surface or ambient temperature of applications including distribution lines, warehouses or other large spaces, instrument enclosures, and more.*

## Think Outside the Box

The Rosemount Synchros Temperature Monitor is suited for a wide range of industries, including oil and gas, food and beverage, metals and mining, and many more. This device best serves trend monitoring and machinery health applications to help increase insights into assets all throughout your facility. Learn about a few common applications that would benefit most from this technology.

## Plantweb Insight Asset View Application

Emerson's Plantweb Insight Asset View Application provides in-depth monitoring of numerous plant assets through supported data inputs.

Using the Asset View application with your Rosemount Synchros Temperature Monitor, you can:

- Receive real-time and actionable information regarding asset status, health score, and alerts (High-High, High, Low, Low-Low)
- View temperature trend charts for assets over time
- Utilize existing or create new asset templates for quick configuration of common asset types, including compressors, rotating equipment, heat exchangers, and more
- Proactively initiate asset maintenance to eliminate the effects of unwanted downtime

Learn more at [Emerson.com/AssetView](https://www.emerson.com/AssetView)



## Detect early signs of fouling

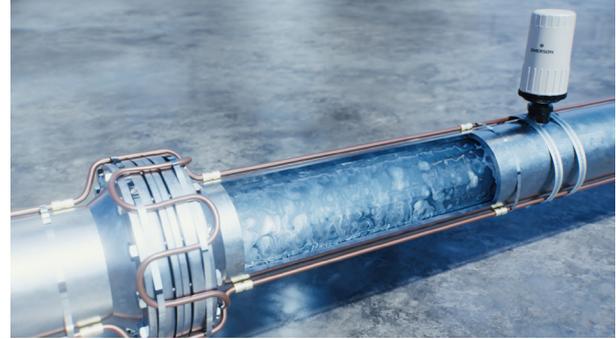
### Heat Exchangers



- In any industry, fouling can occur on heat exchanger surfaces, which causes inefficiency
- Detect early signs of fouling by placing Rosemount Synchros Temperature Monitors on the inlet and outlet lines of your heat exchangers
- Early detection can reduce maintenance time and increase process efficiency

## Ensure heat trace is functioning as designed

### Heat Trace



- Heat tracing is critical to prevent unwanted freezing and equipment malfunctions
- Use the Rosemount Synchros Temperature Monitor as a user-friendly and cost-effective solution for monitoring surface temperature across heat trace lines
- These measurements give valuable insights into steam quality throughout the entire plant

## Monitor health of pumps, conveyors, motors, and more

### Rotating Equipment



- Monitoring the temperature of an asset can help detect early signs of declining machinery health and avoid costly, unwanted shutdowns for repair
- Utilize the Rosemount Synchros Temperature Monitor as an easy to install, cost-effective surface temperature monitoring solution to gain insight into early decline of equipment, allowing you to take preventative action quickly
- When paired with the Plantweb Insight Asset View Application, users can configure alerts when surface temperature exceeds a specified threshold

## Detect compressor valve decline

### Reciprocating Compressor



- The valves on a reciprocating compressor are prone to decline in performance, and identifying a failing valve is traditionally done through manual temperature measurements
- Pinpoint failing valves by easily and cost-effectively monitoring the temperature of the valve cover using the Rosemount Synchros Temperature Monitor
- Use the Plantweb Insight Asset View Application to obtain an alert when the valve cover temperature exceeds a specified threshold

**Grow your temperature monitoring data and your asset health insights.**



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