

Rosemount Rail Mount Temperature Transmitters

Reliable and compact transmitters for use in a diverse range of temperature applications.



Rosemount 248 and 644 Rail Mount Temperature Transmitters

Emerson's Rosemount™ 248 and 644 Rail Mount Temperature Transmitter product offering is designed with enhanced features for greater ease-of-use, increased accuracy and reliability, and better insight into your temperature measurements.

Improved Usability

New features and capabilities deliver a better user experience:

- **LED Indicator** gives visibility to the health status of your transmitter and sensor
- **Slimmer Form Factor** (23.5 mm) allows you to fit more measurement points per rail for more efficient space utilization
- **Unique QR Code Asset Tags** on newly shipped devices enables you to access serialized information directly from the device

Measurement Capability Flexibility

Get more accurate and insightful temperature measurements:

- **CVD Transmitter–Sensor Matching** improves accuracy by up to 75% by trimming transmitter to specific RTD calibration schedule
- **Dual Sensor Functionality** increases uptime and measurement insight by providing measurement redundancy and visibility into sensor health (*Rosemount 644 only*)
 - **Hot Backup** allows for a seamless transfer from a failed sensor to a backup sensor
 - **Sensor Drift Alert** indicates sensor issues before failure
 - **Calculated Outputs** allow for average or differential temperature measurements



- HART® 7 / 4–20mA
- Safety Certification, SIL 2/3 (*Rosemount 644 only*)
- RoHS Compliant (Directive 2002/95/EC)

For more information, visit [Emerson.com/TemperatureTransmitters](https://www.emerson.com/TemperatureTransmitters) or contact your local Emerson Sales Representative