

## STT 3000 Smart Temperature Transmitters

### Lifetime Performance

Effective process control begins with accurate field measurement. Honeywell's STT 3000 Smart Temperature Transmitters offer the highly accurate field information you need to run your business profitably. Not only are the devices versatile and easy to install, they also provide online diagnostics and allow remote access, reducing your overall cost of ownership. An STT 3000 Lifetime Transmitter™ delivers exceptional reliability, accuracy, and stability with the industry's best warranty.

Honeywell's STT 3000 Transmitters meet a broad range of temperature measurement needs. With three product lines, the STT 3000 portfolio can meet the price/performance requirements of almost any application. The STT150 line provides a versatile, economical solution for low-tier applications. The STT250 line offers a universal solution that reduces installation and maintenance costs. And the STT350 line is designed for applications requiring the ultimate in performance and advanced solutions.

#### Choose the Right Transmitter for Your Application and Budget

The exceptional performance of the STT350 and STT35F makes them perfect for critical process loops. Remote communications for configuration or diagnostics, delta T, and redundant sensor capabilities are all standard.

The STT250 temperature transmitter provides an easy retrofit for any two-wire transmitter, whether conventional 4-20 mA, HART,\* or DE protocol. The STT250 features direct sensor head mounting—allowing you to avoid the cost of installation. Instant alarm generation on sensor fault and post-read validation ensure operational security.

The STT150 covers low-tier, non-critical applications where remote communications are not required. The STT150 is well suited for "fit and forget" applications that require a low-cost solution.

#### STT 3000 Lifetime Temperature Transmitters deliver:

- **Lifetime Accuracy =  $\pm 0.01\%$  of maximum span for lifetime**
  - Greater control
  - Improved profits
- **Lifetime Stability =  $\pm 0.1^\circ\text{C}$  for RTDs**
  - Fewer calibrations
  - Lower maintenance costs
- **Field MTBF = 175 years†**
  - Reduced operation costs
- **Optional Limited Lifetime Warranty**
  - Peace of mind



## Exceptional Stability and Accuracy

During the manufacturing process, each transmitter is characterized in simulations of the environments it will most likely experience in the field. With this information stored in its memory, STT 3000 transmitters retain output stability and accuracy while experiencing a wide range of operating conditions—year after year.

## Features and Functions

Protocols available for STT 3000 Temperature Transmitters include:

- Honeywell DE
- HART
- FOUNDATION™ fieldbus

Digital integration of STT 3000 instruments to Honeywell's systems such as the Experion PKS™ offers the greatest opportunity for high accuracy and integrity of data.

Digital integration also enables centralized database management, diagnostics, and automatic documentation—saving you time and money.

STT150	STT250	STT350
<ul style="list-style-type: none"><li>• Compact size enables installation in smallest DIN B head-mount housing</li></ul>	<ul style="list-style-type: none"><li>• Universal sensor inputs</li></ul>	<ul style="list-style-type: none"><li>• One model for thermocouples, RTDs, and specialty inputs</li></ul>
<ul style="list-style-type: none"><li>• Sensor library contains over a dozen of the most used sensor curves</li></ul>	<ul style="list-style-type: none"><li>• Compact size allows direct head mounting</li></ul>	<ul style="list-style-type: none"><li>• No board change, potentiometer adjustment, or calibration required</li></ul>
<ul style="list-style-type: none"><li>• PC configuration via rapid RS232 connection</li></ul>	<ul style="list-style-type: none"><li>• Broad selection of housings and materials</li></ul>	<ul style="list-style-type: none"><li>• Remote configuration and rangeability</li></ul>
<ul style="list-style-type: none"><li>• Open- and short-circuit sensor detection, and advanced diagnostics</li></ul>	<ul style="list-style-type: none"><li>• Available with integral Engineering Unit Meter</li></ul>	<ul style="list-style-type: none"><li>• Available with integral Engineering Unit Meter</li></ul>
<ul style="list-style-type: none"><li>• Available in a range of models for the most economical solution</li></ul>	<ul style="list-style-type: none"><li>• Remote communications with 4-20 mA, digital DE, and HART options</li></ul>	<ul style="list-style-type: none"><li>• Delta T and redundant sensor capabilities standard with high/low PV storage</li></ul>

## For more information about

**STT 3000 products, contact your local Honeywell representative, or access [www.honeywell.com/imc](http://www.honeywell.com/imc).**

### WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective material and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during that period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.

While we provide application assistance, personally, through our literature and the Honeywell Web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change at any time without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

<sup>†</sup>Based on reliability study of STT350 at 25°C (ground benign).

Experion PKS™ and Lifetime Transmitter™ are trademarks of Honeywell International Inc.

\*HART is a trademark of the HART Communication Foundation. FOUNDATION™ fieldbus is a trademark of the Fieldbus Foundation.

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## Industrial Measurement and Control

[www.honeywell.com/imc](http://www.honeywell.com/imc)

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