

## ST 3000® Smart Pressure Transmitters

Choose the Lifetime Transmitter™ for Lifetime Results

ST 3000® Smart Pressure Transmitters offer the best value available today. The flagship of the Honeywell Smartline® family of field instruments, these transmitters provide substantially lower life-cycle costs. An ST 3000® Lifetime Transmitter™ delivers unsurpassed accuracy, stability, reliability, and rangeability, as well as the industry's best warranty.

ST 3000® Smart Pressure Transmitters

### ST 3000® Lifetime Pressure Transmitters Lead the Industry in:

With ST 3000® transmitters, you can start your process control on the right foot. In addition to offering the most effective and accurate field information, the devices provide comprehensive self-diagnostics and two-way digital communications, so you can leverage advantages for improving your process, meeting regulatory compliance, and attaining high quality standards.

#### The Right Transmitter for Your Application and Budget

ST 3000® transmitters include differential pressure, absolute pressure, gauge pressure, draft range, and remote seal transmitters. ST 3000® consists of two lines to provide the right mix of price and performance to meet your needs.

The exceptional performance of the ST 3000® Series 100 makes them ideal for critical process loops and high-dollar applications, such as custody transfer and energy and material balances. Their broad 400:1 turndown ratio can eliminate the need to stack several transmitters in one loop—allowing you to re-range rather than change or add transmitters.

ST 3000® Series 900 transmitters let you experience smart performance at analog prices. Accurate, reliable, and stable, Series 900 instruments offer a greater turndown ratio than conventional transmitters, along with local zero and span—making the instruments the right choice for today's competitive marketplace. Series 900 transmitters pay for themselves many times over.

#### Versatility and Flexibility Over the Lifetime of the Transmitter

ST 3000® instruments significantly lower your project and lifetime ownership costs. This is accomplished through lower transmitter database management and start-up costs, efficient maintenance, reduced inventory requirements, and extensive diagnostics. Configuration flexibility, combined with broad rangeability, decreases the quantity and types of instruments you need for inventory.

All ST 3000® transmitters automatically compensate for ambient temperature and static pressure changes, thereby ensuring consistent accuracy of the output signal throughout the lifetime of the transmitter. 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, ST 3000® retains output stability and accuracy while experiencing a wide range of operating conditions—year after year.

- **Accuracy =  $\pm 0.0375\%$  for Lifetime**
  - Starts accurate, stays consistently accurate for tighter control and improved profits
- **Stability = 0.01% per Year for Lifetime**
  - Fewer calibrations
  - Lower maintenance costs
- **Field MTBF = 470 Years**
  - Increased time available for pressing projects
  - Reduced costs
- **Rangeability = 400:1 Turndown Ratio**
  - Fewer instruments
  - Reduced inventory costs
- **Optional Limited Lifetime Warranty**
  - Peace of mind



## Self-Diagnostics Efficiency

ST 3000<sup>®</sup> instruments constantly test themselves as well as their communications link and the process loop. Whether digitally integrated with your Honeywell system, or when the Smart Field Communicator (SFC) is used, the ST 3000<sup>®</sup> provides transmitter status messages. If a problem occurs, you quickly receive the information needed to help you determine the cause.

## Applications Capability

ST 3000<sup>®</sup> transmitters can be used in a wide variety of applications. Many of the world's refineries, chemical and pharmaceutical plants, paper mills, and pipeline operations have standardized on ST 3000<sup>®</sup> instruments. Honeywell's full line of pressure transmitters can be used in applications to measure gauge pressure, absolute pressure, flow, and liquid level, as well as where high temperatures and clogging present problems. Sanitary models, designed for food and pharmaceutical applications, are also available—meeting 3A requirements for non-contamination of the process.

## Easy Offline Configuration

The SCT 3000<sup>®</sup> Smartline<sup>®</sup> Configuration Toolkit provides an easy way to configure your ST 3000<sup>®</sup> instruments using your personal computer. This easy-to-use, time-saving tool allows you to configure the devices prior to shipping or installation. Operating the SCT 3000<sup>®</sup> in the offline mode lets you configure an unlimited number of devices. You then can load the database down line during commissioning.

## Features and Functions

Protocols available with the ST 3000<sup>®</sup> include:

- **Honeywell DE**
- **HART\***
- **FOUNDATION™ fieldbus**

Digital integration of ST 3000<sup>®</sup> 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, online diagnostics, and automatic historization—saving you time and money.

## Find Out More

**For more information about this and other Honeywell 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.

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