

# **SMARTLINE** **TRANSMITTERS**

So Smart, They Make Life Easy



**Honeywell**

# SMARTER FEATURES MAKE YOUR LIFE EASIER

SmartLine Transmitters Deliver Total Value  
Across the Entire Plant Lifecycle, from  
Construction to Operations to Maintenance.

With better performance, modular construction, additional diagnostics and the best integration features, Honeywell SmartLine® transmitters help you reduce project costs and startup time, avoid unplanned downtime, improve product quality, reduce spare parts inventory and shorten time to repair.

#### **The intuitive cloud-based SmartLine Application and Validation Tool:**

Helps you get the right instrument for your application. The tool enables error-free selection and validation of the instrument through efficient online collaboration. The tool documents your selection inputs and helps you share it with others. The ordered instrument arrives fully preconfigured, shortening commissioning time.

#### **Universal terminals**

Reduce costly wiring errors, troubleshooting and re-work, saving valuable commissioning time.

#### **An innovative modular design:**

reduces complexity along the entire lifecycle, from avoiding initial purchasing costs, providing flexibility for post start-up modifications, reducing maintenance and inventory costs by eliminating the number of spare parts required.

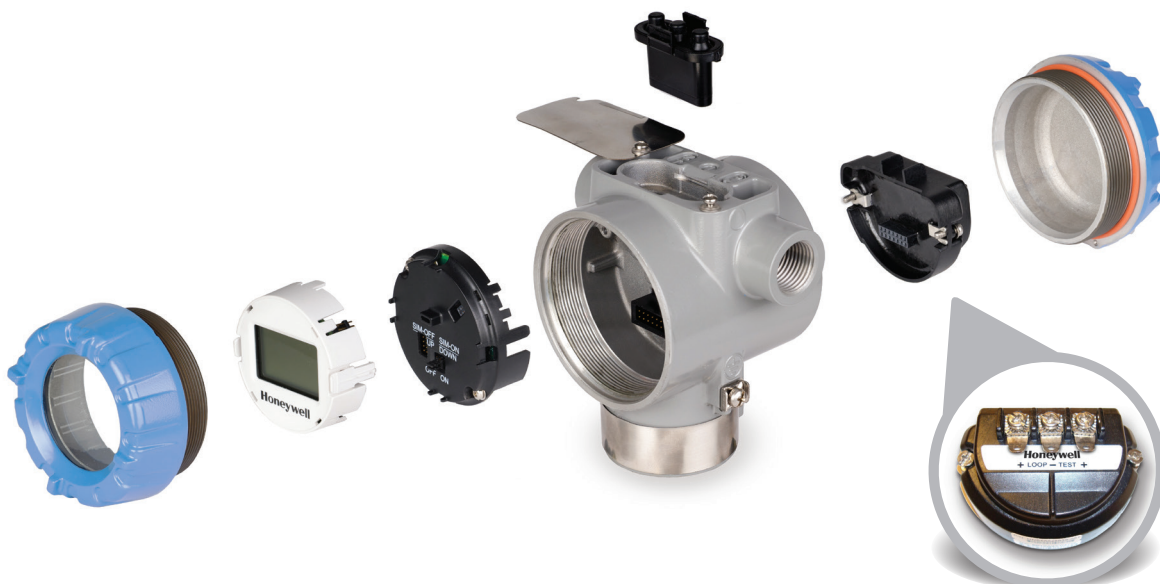
#### **The advanced display and local configuration:**

provide capabilities for field operators to more efficiently perform tasks, solve problems and avoid errors. The advanced graphical display provides vital information and insight to field personnel about the process, alerts and more. The easy-to-use display and the three local configuration buttons enable you to be more efficient in the field without carrying a handheld device for setup.

SmartLine transmitters are part of an integrated solution built over years – that has one essential ingredient: trust in the quality of the equipment and services delivered by Honeywell.”

– DR. DIETER TUPPINGER,

SENIOR VICE PRESIDENT PETROBRAZI SITE  
MANAGEMENT PETROBRAZI



# SMARTLINE PRESSURE TRANSMITTERS

Redefining Performance in Industrial  
Pressure Measurement.

SmartLine Pressure Transmitters set the standard for total performance in the harshest process environments, featuring the industry's first modular and most robust pressure transmitters. When using the SmartLine Application and Validation Tool, the embedded chemical compatibility chart enables easier selection of wetted parts and the automatic instrument data sheet generation saves precious engineering hours.

## PRESSURE TRANSMITTERS:

- Improve product yield and quality through tighter process control with the industry's best total performance, fast response and long-term linear stability.
- Reduce inventory and maintenance costs with a single transmitter covering a wider range of applications.
- Speed up project delivery by eliminating recalibration at sites using three available calibration ranges.



# SMARTLINE TEMPERATURE TRANSMITTERS

A New Standard for Temperature Transmitters: Modular, Accurate and Reliable for the Lowest Cost of Ownership

SmartLine Temperature Transmitter offers high accuracy and stability over a wide range of process and ambient temperatures. They set a standard for total performance for industrial processes including and noisy process environments.



## TEMPERATURE TRANSMITTERS:

- Maximize production and minimize maintenance by reducing the calibration frequency and complexity through industry leading stability.
- Reduce the number of required transmitters and increase control through two-sensor input, including the ability for split-range sensing.
- Further reduce the need for additional hardware by utilizing a digital output option and eliminating the need for a separate switch.
- Increase uptime and decrease wiring costs through more reliable measurements and shorter sensor runs.

# SMARTLINE MULTIVARIABLE TRANSMITTER

Single Device for Multiple Measurements:  
Discover the Smart Power of 3-in-1.

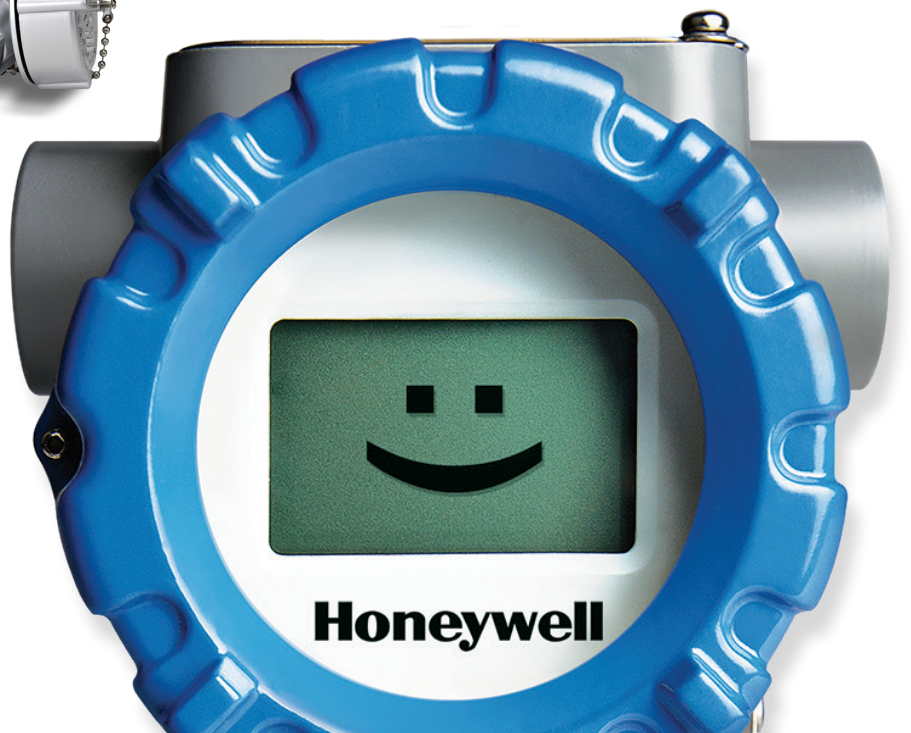
Smartline Multivariable Transmitter measures differential pressure, static pressure and process temperature with minimal process intrusions. It provides reliable, accurate and stable flow measurement with use of standard and dynamic compensation algorithms.

## MULTIVARIABLE TRANSMITTERS:

- Improve energy efficiency and quality through accurate flow measurement.
- Increase reliability with improved availability through fail safe flow measurement and superior noise performance.
- Reduce inventory and cost of ownership by utilizing thermocouple inputs for high temperature applications.
- Decrease overall costs by eliminating the need of special tools for setup and configuration with easy-to-use using device type manager (DTMs) tools.

## SmartLine Remote Meter - RMA

Honeywell's SmartLine® RMA 800 Remote Meter Assemblies provide process values in locations where the integral meter in the field instrument is difficult to view. They are used as output and status indicators for Honeywell SmartLine field products and can also be used as output indicators with any non-Honeywell transmitter operating within 4 to 20ma current loop or the appropriate digital protocol.



# SMARTLINE WIRELESS TRANSMITTERS

Industry-leading Technology for  
Wireless Monitoring and Control.

SmartLine Wireless continues Honeywell's leadership by providing a scalable and future-proof wireless measurement solution. It seamlessly integrates with the Experion® control system, as well as the Honeywell Connected Plant portfolio. The new series of transmitters is compliant with the ISA100 Wireless™ protocol and interoperates with other devices on the existing and new OneWireless™ networks.

## SMARTLINE WIRELESS TRANSMITTERS:

- Honeywell designed its wireless system so that customers could install a single high-performance network for process monitoring with the flexibility to add more critical applications, like control, when and if they are ready. To complete a fully ready control offering, SmartLine Wireless Pressure is also ready for control use
- Honeywell customers currently utilizing XYR™ 6000 wireless transmitters can also painlessly add SmartLine Wireless Pressure to their networks
- The portfolio consists of Pressure, Temperature and the versatile Universal IO transmitters
- Seamless integration of the new wireless transmitter with the host system enables customers to enjoy the benefits of a fully integrated solution with no new learning curve



# SMARTLINE LEVEL TRANSMITTERS

## Taking User Experience and Plant Performance to a Whole New Level

SmartLine Level offerings include innovative Guided wave as well as 80GHZ Non contact Radar technologies which allow reliable and efficient level control in a wide range of industrial applications. They set new standards for total performance.

SmartLine SLN700 Non contact radar is available for liquid as well as solid level measurements.

Level Transmitters offer high accuracy and stability over a wide range of Level applications.

SmartLine Level transmitters are an ideal solution for demanding process level needs, with easy-to-use and low-maintenance character.

### LEVEL TRANSMITTERS:

- Eliminate poor production quality and false off-process trips in highly complex tanks with obstacle immunity and dynamic false echo suppression algorithms
- Maximize use of existing infrastructure in small tanks using blocking distance optimization
- Eliminate off-process measurement and enable production under highly dynamic processes and change-over conditions using enhanced firmware with advanced correlation algorithm for automatic amplitude tracking
- The SmartLine family is also fully tested and compliant with Experion® PKS, providing the highest level of compatibility assurance and integration capabilities. SmartLine easily meets the most demanding needs for level measurement applications

"We like the new features on the Honeywell SmartLine series of transmitters. The [universal terminal] is a great idea and very valuable to us... also, we find the enhanced diagnostics and modular design very helpful."

**PETER EVANS, INVISTA**



# BETTER TOGETHER SMARTLINE ACCESSORIES

SmartLine quality, in a complete package: SmartLine Accessories combine our market-leading temperature and pressure transmitters with quality manifolds and probes in a single, integrated solution.

Transmitters and assemblies are calibrated and tested together in-factory for improved safety, reliability and efficiency. We also certify the complete unit for the required international standards. It's ready to install, right out of the box, with test reports and certificates available for compliance and audits.

SmartLine Accessories offer a wide range of options for its entire range of pressure and temperature transmitters:

## SMARTLINE MANIFOLDS

- Block and Bleed models for in-line pressure transmitters
- Two, three and five-way configurations
- Wide and compact body styles
- Traditional or wafer-style variants
- NACE compliant material options
- Available with factory integration and mounting brackets





## SMARTLINE PROBE ASSEMBLIES

- Rigid, threaded and socket weld or drilled flanged temperature assemblies
- RTD or thermocouple sensors with thermowells
- Order pre-assembled with integrated transmitters for a single, complete unit
- Tapered and straight thermowell designs

Our integrated transmitter solutions give process manufacturers, OEMs, and EPCs ready-to-use, single stop solution for long-lasting, accurate measurement. We help ensure quality, reduce installation times and cut costs.



## SMARTLINE CONNECTION ADVANTAGE



### The SmartLine Connection Advantage

Ensures a unique integration of the SmartLine transmitters with the Experion control system, making your operations more efficient, processes more reliable and employees safer. Transmitter messaging, maintenance mode indication, tamper reporting and Field Device Manager (FDM) area health views are uniquely available to operators and field personnel. The SmartLine transmitters are extensively tested with Experion, assuring simple, trouble-free installation and start-up.

# DISCOVER HONEYWELL

Discover how Honeywell's SmartLine transmitters can make your life easier by delivering smart performance, smart design and a smart user experience. Visit us at [www.honeywellprocess.com/smartline](http://www.honeywellprocess.com/smartline)

## Work Smarter

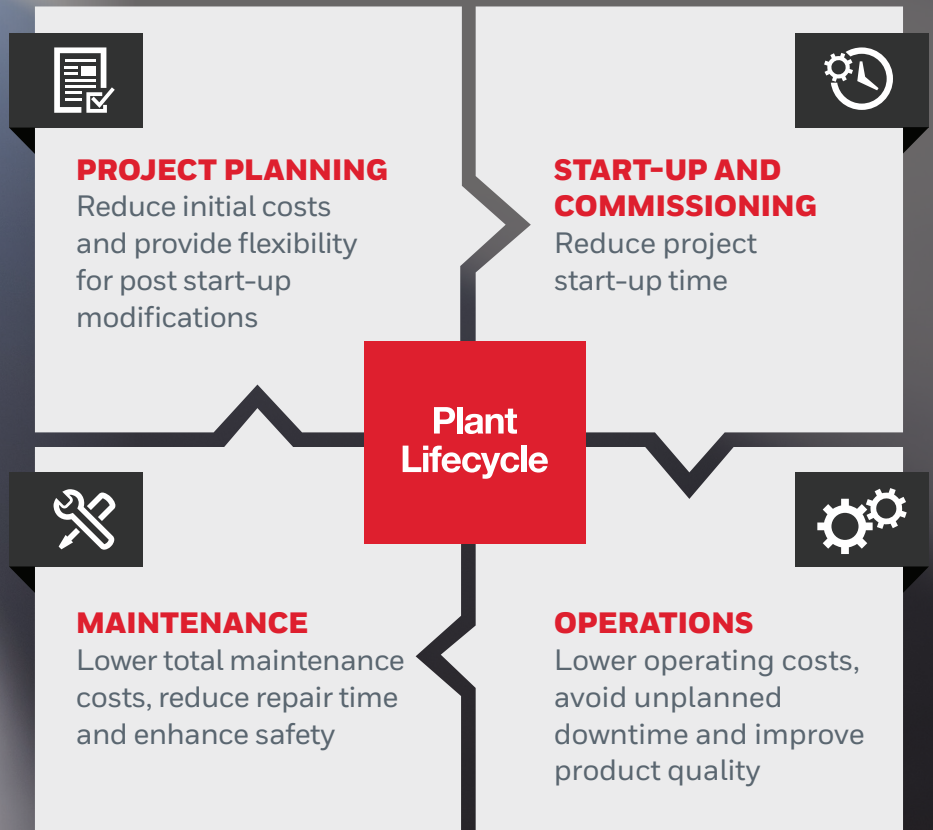
Honeywell's SmartLine Pressure, Temperature, Multivariable, Level and Wireless transmitters transform the complexity of a traditional plant lifecycle into a unique user-friendly process, adding value through their superior performance, lower total cost of ownership and comprehensive control system integration.

## Discover SmartLine Here

## SmartLine Warranty

To boost your confidence and efficiency, choose an extended warranty option for your SmartLine transmitters – and protect your investment even after your factory warranty has expired.





## REDEFINING SMART

### Smart Performance

SmartLine accuracy, stability and response time result in tighter process control, improving product yield and quality

### Smart Design

SmartLine's innovative modular design allows quick on-field replacement of parts, reduces maintenance costs and spares inventory. Universal terminals reduce costly wiring errors. Rich advanced display and local configuration enable field operators to more efficiently perform tasks, solve problems and avoid errors with no need for a handheld device.

### Smart User Experience

Cloud-based design tool, smart messaging, maintenance and safety features as well as unique integration with Honeywell's Experion® control system reduce design and operator errors and enable faster intervention to avoid process upsets.

### **For more information**

To learn more about Honeywell's SmartLine Transmitters, visit [www.honeywellprocess.com/smartline](http://www.honeywellprocess.com/smartline) or contact your Honeywell account manager.

### **Honeywell Process Solutions**

2101 CityWest Blvd, Houston, TX 77042

Honeywell House, Arlington Business Park  
Bracknell, Berkshire, England RG12

1EB Shanghai City Centre, 100Junyi  
Road Shanghai, China 20051

[www.honeywellprocess.com](http://www.honeywellprocess.com)

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**THE  
FUTURE  
IS  
WHAT  
WE  
MAKE IT**

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