



SmartLine Level Transmitters
A New Standard for Total Performance
and User Experience



Smarter on Every Level

Honeywell's SmartLine® level transmitter sets a new standard for total performance and user experience. The SmartLine family of transmitters is the industry's first modular and most reliable transmitters, delivering total value across the entire plant lifecycle.

SmartLine Delivers:

Leading Performance and User Experience

Unique Features that Lower Your Total Cost of Ownership

Efficient Control System Integration

- A new user experience from the start of using a new online tool for profiling the targeted tank application to the moment when the SmartLine level transmitter is installed and ready for measurement.
- A new SmartLine Level Application Validation Tool to avoid costly errors up front by validating the SmartLine level transmitter against your specified process tank. The Application Validation Tool output interfaces to Honeywell's order management system providing an error-free and built to your specification SmartLine level transmitter.
- The ability to bring Honeywell level experts to your desktop through a joint, online collaborative engineering session using the SmartLine Level Application Validation Tool. Documentation of the inputted tank design parameters and the SmartLine level transmitter configuration preserves your engineering work electronically, and it appears in the pre-configured SmartLine level transmitter delivered to you.
- An innovative modular design reduces complexity along the entire lifecycle, from avoiding initial purchasing costs to reducing maintenance and inventory costs by eliminating the number of spare parts required and simplifying module replacements and upgrades.
- An advanced display and local configuration provides capabilities for field operators to more efficiently perform tasks, solve problems and avoid errors with no need for a handheld device.
- Unique Smart Connection Suite control system integration delivers transmitter messaging, maintenance mode indication and tamper alerts to improve your field time to repair and control room communication, avoid unit trips and make your employees more efficient.



With better performance, modular construction, an advanced display and the best integration features, Honeywell helps our customers reduce project costs and startup time, avoid unplanned downtime, improve product quality, reduce spare parts inventory and shorten time to repair.



Modular Design

All SmartLine transmitters are modular in design, making it easy to replace or upgrade hardware in the field, even under power, without affecting overall performance or impinging on approval body certifications. Some modules are shared with SmartLine pressure and temperature transmitters, further reducing inventory and enhancing flexibility.

Advanced Display and Configuration

Rich advanced display and local configuration capabilities enables field operators to more efficiently perform tasks, solve problems and avoid errors with no need for a handheld device.

In addition to configuring with any handheld device using the new DTM, users can configure the transmitters through externally accessible buttons, even in an intrinsically safe environment. Now, whether on the bench or in the field, configure, change tag information, change languages and even more without needing a handheld device.

Echo Stem Plot

The local SmartLine Level display provides measurement values for the flange location, interface level, and Ullage level. The complete Echo curve is visible through user interfaces like Honeywell's Experion® Station or using the SmartLine level DTM with industry common configuration tools like Honeywell's FDM.

Polarity Insensitivity

Loop wiring can be reversed without damaging or effecting normal operation. This avoids costly rework on large installations where multiple contractors may use different wiring standards and eliminates return trips to re-wire.

Smart Connection Suite

All SmartLine transmitters integrate with all control systems. In addition, with seamless integration with Honeywell's Experion® PKS, operators benefit from these unique advantages:

- Extended diagnostics—assess the health of critical field assets
- Maintenance status display—ensure the transmitter is in the right mode before maintenance can be performed
- Transmitter messaging—allows the operator to send messages to the transmitters' advanced display.



With Plug-in Modules, Users Can Easily Add or Upgrade:

- Basic or advanced digital displays
- Field-exchangeable communication modules for HART, Foundation Fieldbus or Profibus
- Wiring terminal boards for standard or advanced lightning-protected applications
- Three-button local configuration.

Honeywell Transmitters are Recognized for Their Unsurpassed Performance and Accuracy:

- Able to measure liquids, solids, and interfaces
- Accuracy— $\pm 3\text{mm}$ or 0.03% of measured distance
- Repeatability— $\pm 1\text{mm}$
- Resolution—1 mm
- 2-wire, 4-20mA loop power
- HART, Foundation Fieldbus and MODBUS® output options
- Transmitter configuration write protection
- 2kv isolation for protection from ground loops and electrical interference
- Unequaled local display capabilities
- Field calibration and configuration through external three-button facility
- Recall capability of last good calibration
- Polarity-insensitive electrical connections
- Comprehensive on-board diagnostic capabilities
- Full compliance to SIL 2/3 requirements as a standard
- Advanced display supports:
 - Up to eight screens with three formats: process variable, bar graph and trend
 - Full library of engineering units with the ability to add custom units
 - Configurable screen rotation timing
 - Multiple languages
 - Two diagnostic indications
 - 90-degree position adjustments
- Available 15-year warranty

For More Information

To learn more about Honeywell's SmartLine Level Transmitters, visit www.honeywellprocess.com or contact your Honeywell account manager.

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