

Reduce Implementation Costs and Effort with SmartLine and Experion

Solution Note

Honeywell's SmartLine transmitters combined with the Experion control system reduce the challenges of implementation projects. By choosing SmartLine with Experion, projects reduce the amount of non-value added work and reach signoff with less effort and lower cost.

Honeywell combines technology, knowledge of project lifecycle, engineering and delivery expertise to bring value across all the activities involved in greenfield and brownfield construction projects. Selecting SmartLine® transmitters to complement the Experion® control system helps the project team deliver on time, manage project costs, avoid rework and simplify the supplier interactions. The end result is lower risk and higher productivity during both offsite and onsite activities.

There are several ways how SmartLine with Experion makes this possible. The first is the cloud-based tool that promotes collaboration to expedite design, engineering and procurement providing pre-configured transmitters on-site. A second method is the integrated Experion and Field Device Manager solution, which allows loop checkout from the control room. Coupled with the auto-identification feature at the beginning of the setup process, overall commissioning time is significantly reduced.

In addition, universal transmitter wiring eliminates wiring errors and the multipoint calibration feature reduces the time spent on instrument calibration. As well, using a single source provider significantly simplifies the overall project execution.



Reduce challenges of greenfield and brownfield projects with the SmartLine transmitters combined with the Experion control system.

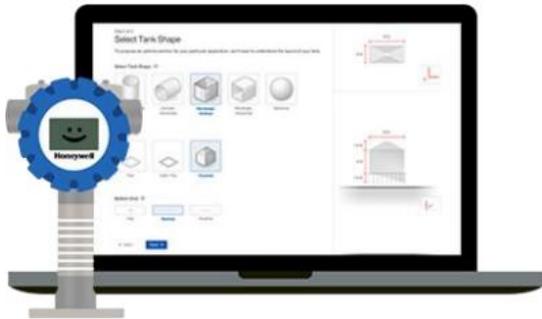
FEATURES & BENEFITS

- Cloud-based engineering tool promotes collaboration to expedite design, engineering and procurement to provide pre-configured transmitters on-site.
- The integrated Experion and Field Device Manager solution allows loop checkout from the control room and the auto-identification from Experion reduces overall commissioning time.
- Universal transmitter wiring eliminates wiring errors and modular design allows for late changes.
- Multipoint calibrations gives freedom to choose from any of the three calibration ranges via local configuration buttons.
- Using a single source provider simplifies overall project execution.

Cloud-based Engineering Tool

Identifying the correct transmitter for the application is one of the main issues users face. The cloud-based Application and Validation Tool easily verifies that the SmartLine transmitter* is suitable for the identified application. With the Application and Validation Tool, there is no need to fill in additional application data sheets, and the selection process is fast and intuitive. The online collaboration feature allows an expert to join in the active session, if desired. The tool interfaces to Honeywell's order management system and the provided data is used to pre-program the transmitter before it is delivered to the site.

*Currently available for SmartLine Level Transmitters



SmartLine's cloud-based engineering tool simplifies instrument selection, ordering and configuration.

Universal Terminals

Labor costs can be one of the riskiest factors when implementing a project. With the SmartLine transmitters, projects benefit from wiring installation and start-up labor savings thanks to universal terminals. Almost any two-wire instrument available today uses circuitry which protects the instrument when wired incorrectly. But SmartLine goes beyond polarity protection.

This means that when connected to a SmartLine device, not only is the instrument protected against reverse polarity, it will perform properly without the need to re-wire. Particularly with large installations involving multiple contractors and different processes, universal terminals save valuable time and related costs.

Proportionally increasing with the number of instruments, SmartLine universal terminals can yield

a substantial time savings during a startup and free up onsite engineering resources by avoiding wiring checks from the field through junction boxes and control system cabinets.



Wiring is easy with SmartLine's universal terminals.

Auto-identification and Task Assignment

SmartLine's transmitter messaging functionality allows auto-identification and task assignment from the Experion control system. This provides ability to directly send messages from the control room to the field during loop checking or maintenance activities eliminating the need for two people to perform point-to-point verification. This helps the commissioning engineer or the maintenance engineer to quickly identify the right transmitter and perform the right task saving precious onsite time. This coupled with universal terminals saves up to 50% of onsite work during loop checkout and trouble shooting.



Transmitter messaging saves precious on-site time.

Multi-point Calibration

The SmartLine platform provides a multiple calibration feature whereby engineers have the freedom to have multiple factory calibration ranges per transmitter. Up to three calibration ranges can be

specified per device, literally eliminating the need for two more individual devices for the same functionality.

During plant trial run, plant start-up and production ramp-up, site engineers will have the freedom to choose from any of the three calibration ranges via the local configuration buttons. This eliminates the need to carry additional spares onsite as well as the need to bench-calibrate and reinstall the devices.

Simplified Project Management

Trouble-free integration and partnering with a single supplier for the control system and instrumentation contributes to faster startups, due to more efficient commissioning coordination and scheduling. As a result, a typical 2000 analog point-based control system can lead to a savings potential of 8 man weeks of onsite effort.



Take Advantage of SmartLine with Experion

The SmartLine family of field instruments lowers implementation costs and effort especially when integrated with the Experion control system. Whether at the start of a project where the right instrument is validated and pre-configured or during the implementation phase of a project where a multi-calibration range transmitter is ready to be installed without delay, SmartLine reduces risk and schedule delay.



Implementation projects become easy with SmartLine transmitters.

SmartLine Transmitter Family

The SmartLine Pressure, Temperature, Level and Multivariable Transmitters deliver total value across the entire plant lifecycle, from construction to operations to maintenance.

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 reduces complexity by allowing quick on-field replacement of parts without taking transmitters out of process and thereby reducing downtime, maintenance costs and spares inventory. SmartLine's universal terminals reduce costly wiring errors, troubleshooting and re-work by allowing loop wiring to be reversed. Rich advanced display and local configuration capabilities enable field operators to more efficiently perform tasks, solve problems and avoid errors with no need for a handheld device.

Smart User Experience: 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.

SmartLine Support Services

This product comes with worldwide, premium Technical Assistance Center (TAC) support services, which are part of the Total Care Field Instrumentation Services. The TAC services, along with the services provided by the local distributor, are designed to help customers improve and extend the usage of their field instrumentation, providing a safer, more reliable and more efficient operation.

Honeywell's Total Care Services bring 30 years of experience in terminals and the expertise of over 1,000 contracted customers around the world. Backed by the Honeywell Operating System, our support teams deliver greater in-depth domain and product expertise. We'll provide the right solution to critical issues—the first time—for a safer, more reliable and more efficient operation.

For More Information

To learn more about how Honeywell's SmartLine transmitters together with Experion simplify implementation projects, visit our website www.smartlinewithexperion.com or contact your Honeywell Account Manager, Distributor or System Integrator.

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