

Solution Note

Data Efficiency: SmartLine's Smarter Displays Provide More Field Data



Challenge

Industrial operators need accurate and timely information to optimize the process and avoid process upsets.

Integral displays included with many modern pressure transmitters help engineers get the key real-time readings they need in the field. However, most offer only preformatted, basic displays with top level process variable information. For greater context or in-depth data, workers must revert to the control room, reducing efficiency and introducing scope for human error.

Solution



SmartLine Pressure Transmitters' advanced graphical displays give field engineers access to advanced process information.

Multiple process views combine with menu-driven configuration for easy access to the information required, as well as advanced diagnostic messages. Transmitter messaging even allows control operators to communicate through the device, while maintenance mode Indications eliminate human error and increase safety.

Putting data in context

Users can choose from large text numerical process variable read outs, bar graph or trend views.

Up to eight custom configured screens in any of these formats rotate sequentially to give users all the information they need.

Sixteen standard pressure units are included, as well as readouts in percentages, litres or gallons, per hour or minute for the square root mode for flow applications. Users can also define their own units.

Diagnostics

SmartLine identifies non-critical diagnostics that do not directly impact the immediate validity of the process variable by adding a "D" in the upper left of the display, allowing users to enter the configuration menu for further information.



For critical diagnostics, however, the LCD also displays a "Critical Diagnostic" banner, and a message indicating the fault category is included in the screen rotation (above).

To ensure messages are understood, SmartLine supports nine languages: English, Spanish, German, French, Italian, Turkish, Russian, Chinese, and Japanese.

Transmitter Messaging

Working within the HART 7 protocol guidelines, Honeywell takes this technology one step further. In addition to supporting the 32 character message in the device memory, SmartLine transmitters post these messages on the transmitter's advanced graphics display. This allows the message to be read at the device without the need for a HART hand held or other host device providing significant savings in time.

The Honeywell Advantage

SmartLine uses sophisticated displays to give workers clear but in-depth process variable information without relying on control room operators.

Highly customizable and easy to use, it helps get the right information to the right person in time to make a difference, for better safety, reliability and efficiency.



It Matters. [Learn how](#) Honeywell solutions help solve what matters.

For More Information

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