



PROCESS INSTRUMENTATION

Top 5 reasons to upgrade your weighing system

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Weighing and dosing processes are of great significance in many areas of industrial production. Whether batching food and beverage containers or preparing recipes for chemicals and pharmaceutical products, maintaining accurate measurements increases productivity and reduces scrap material. With SIWAREX weighing solutions, you can count on reliability and the highest precision. SIWAREX offers a comprehensive range of weighing electronics for hopper, platform, batching, bagging, belt scales, solids flow meters, and loss-in-weight applications. SIWAREX electronics can be integrated seamlessly into the SIMATIC PCS 7 environment in just a few minutes. The onboard diagnostics continuously report the health of the load cells to the control system to ensure scale accuracy is never in question.

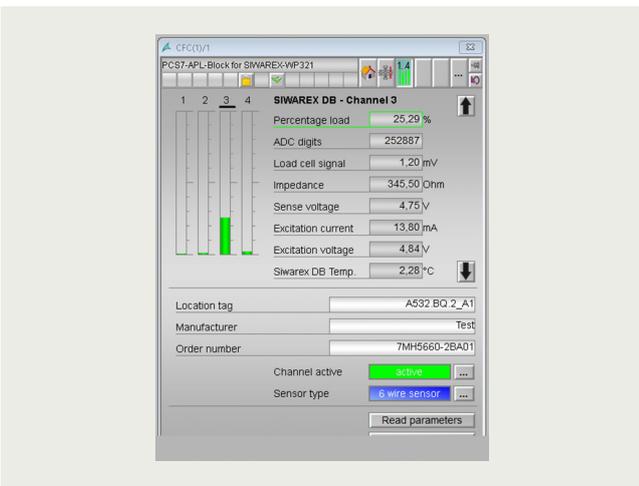
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1. Reduced downtime – SIWAREX scale electronics plug directly into the IO of the control system. With the PCS 7 control system’s add-on Advanced Process Library, the function blocks and faceplates are prebuilt to allow full integration of the weighing system in just a few minutes.



2. Improved safety – With use of the add-on APL library, all scale functions are mapped back to the prebuilt faceplates in the control system. With the scale commands mapped to control system faceplates, the scale can be configured and maintained from the safety of the control room.

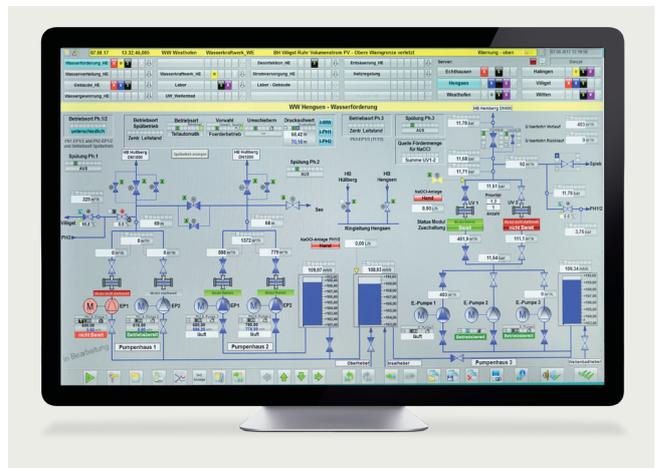


3. Improved product quality – SIWAREX scale electronics have onboard diagnostics to detect a problem with the load cells, and with the add-on APL library, these diagnostics are reported on the operator station. If a problem is detected, the operator is alerted and can take immediate action to ensure product quality is not affected. When used with the SIWAREX

DB, the diagnostics from each load cell can be viewed from the operator station. With the SIWAREX DB, the technician can tell from the operator station which load cell is the issue, saving troubleshooting time.



4. Higher yield – SIWAREX scale electronics provide high accuracy, even in demanding applications, with measurement rates up to 1000 measurements per second. And by plugging the scale electronics directly into the IO of the control system, weight measurements are communicated on the high-speed bus between the IO and the control system. This allows high-speed machines such as filling processes or batching systems to operate at maximum speed, increasing efficiency and throughput.



5. Higher availability – SIWAREX scale electronics will handle all the scale functions and scale controls. Many weighing functions are high-speed, repetitive tasks like batch control, filling systems and checkweighing. By allowing the scale electronics to control these functions, the control system is allowed more time for higher-level tasks.

For more information, please visit our website at:

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 Order No.:PIFL-00158-0322