

Automation and Drives

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Integrating differential proportioning and control scales into the automation system

Weighing tasks with differential proportioning and control scales can now be easily automated. To this end, Siemens Automation and Drives (A&D) combines both scales types with its Siwarex electronic weighing system, and integrates this combination of scales and weighing electronics into the Simatic automation network. The benefits of the automated differential proportioning scales include accurate weight recording and flow measurement in the main application areas of the chemicals and pharmaceuticals industries and the food and beverages sector. The automated control scales are especially suitable for high-speed weight recording even under difficult environmental conditions.

Siemens integrates differential proportioning scales into the automation system by means of the Siwarex FTC (Flexible Technology Continuous Weighing) electronics. Scales of this type are suitable above all for continuous proportioning with constantly high accuracy, and they offer long-term stability with low maintenance costs. The automated differential proportioning scales are of particular advantage in multi-component proportioning tasks. This is where the automation system and the scales interact especially efficiently.

The Siwarex FTA (Flexible Technology Automatic Scale) electronics system is used for control scales. Siemens works together here with the German company Wipotec Wiege- und Positioniersysteme GmbH (www.wipotec.de), a system supplier of ultra-high-speed

precision load cells and weighing systems for high-speed applications. The Wipotec load cells are based on the principle of electrodynamic force compensation (EFC) with high-speed weight recording while simultaneously minimizing external influences. Sensors from Wipotec perform the high-speed signal acquisition, and the Siwarex weighing electronics process the data of the control scales.

You can find more information on the Internet at: www.siemens.com/siwarex

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You can find the text on the Internet at: www.siemens.com/automation/press



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