

**Signum: Sartorius sets the benchmark  
for a new generation of industrial  
scales**

**Regular, Advanced and Supreme models for customized  
applications**

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Goettingen, March 26, 2007 – Sartorius, the Goettingen-based technology group, has taken a new approach with its new Signum industrial scale. Signum gives users a compact premium industrial scale that is remarkably easy to use and offers a broad range of options for adaptation to specific customer needs.

The new Signum range has a choice of three powerful technologies, each with a different level of performance, depending on the model: The standard weighing system in Signum **Regular** models offers a weighing capacity of up to 60 kg with resolutions of up to 35,000d; Signum **Advanced** models feature a mechatronic weighing system with resolutions of up to 65,000d and a weighing capacity of up to 65 kg; and Signum **Supreme** models are equipped with a monolithic weigh cell with a weighing capacity of up to 35 kg and resolutions of up to 350,000d. All

versions can be verified at the factory on request and are suitable for use in legal metrology.

A wide range of options is one of the many exceptional features of the Signum series. Users can choose from three application levels, a variety of resolutions, a large selection of interfaces and other options. This adaptability makes Signum ideal for virtually any use, from simple weighing to demanding applications such as counting with automatic reference weight updating, product data storage with bar code input, or operation with a reference scale in two-scale systems.

### **Easy to use**

Even though the range of possibilities is so expansive, Signum is exceptionally easy to use. The display and control unit in the practical SlimLine design can be set up within minutes for optimum ergonomical use - whether next to the weighing platform, on a column, or mounted on the wall. Optional interfaces meet all the requirements for state-of-the-art data transfer, including Ethernet and PLC connectivity. Any of the models in this series can be fitted with an optional analog/digital converter for a second weighing platform, such as a reference scale or bulk weigher.

Particularly in rough industrial environments, unlimited operational safety is imperative. Signum scales not only have high overload protection, they are also extremely rugged and resistant, and adapt well to virtually any conditions in industrial use. For example, Signum scales are available for use in zone 2 and 22 hazardous areas, which of course includes ATEX conformity and certification in accordance with the latest industry standards. Moreover, Signum scales feature dependable protection against the effects of extreme overload and side impact, and provide reliable, repeatable weighing results even under changing ambient conditions. All models can be ordered optionally with IP65 protection (dust tight, protected from penetration by jets of water). Whether the scale has to be washed down regularly with water sprayed from a nozzle, is integrated in a production network, or is frequently moved to different areas, the new Signum series meets all user requirements without compromising on reliability or safety.

**A profile of Sartorius**

The Sartorius Group is an internationally leading laboratory and process technology provider covering the segments of biotechnology and mechatronics. In 2006 the technology group earned sales revenue of 521.1 million euros. The Goettingen-based company founded in 1870 currently employs approximately 3,900 persons. Its biotechnology segment focuses on filtration and separation products as well as fermenters and bioreactors. For the mechatronics segment in particular, the company manufactures equipment and systems featuring weighing, measurement and automation technology for laboratory and industrial applications, as well as hydrodynamic bearings. Key Sartorius customers are from the pharmaceutical, chemical and food and beverage industries and from numerous research and educational institutes of the public sector. Sartorius has its own production facilities in Europe, Asia and America as well as sales subsidiaries and local commercial agencies in more than 110 countries.

**Photo for Press Release:**

**Photo: The new Signum industrial scale from Sartorius**

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