STEMart Enhances Analytical Instrumentation Portfolio with Comprehensive Balance and Scale Line for Laboratory Precision

STEMart introduces Balance and Scale products to support accurate and repeatable weighing in laboratories, research facilities, and quality control departments.

NEW YORK, NY, UNITED STATES, September 22, 2026 /EINPresswire.com/ -- STEMart, a US-based provider of comprehensive services and technical solutions for all phases of medical device development, has announced an expansion of its Balance and Scale product range. This will support accurate and repeatable weighing in laboratories, research facilities, quality control departments, industrial settings and educational institutions.

A scale or balance is an instrument used to measure weight or mass. It is also known as a mass scale, weight scale, mass balance or weight balance. While scales are typically used to measure actual weight, balances are commonly used to measure mass. Scales use load cells (i.e. sensors or transducers) to measure weight. Load cells convert the pressure or force applied by a load into a standardized numerical value that can be read and recorded, such as pounds. A balance operates by making a comparison using an object of known mass. Balances typically have two pans: the object of known mass is placed in one pan and the object of unknown mass in the other. Technological advances mean that this manual comparison is no longer necessary. Similar to scales, balances also use load cells or magnetic reset sensors.

Accurate weighing is critical for reproducible scientific research and manufacturing that complies with regulatory requirements. STEMart's latest balance and scale product catalogue covers applications ranging from micro-sample preparation to high-capacity batching. This new portfolio ensures that customers obtain the desired accuracy, stability and seamless data integrity.

For example, STEMart offers the Dual-Range Industrial Balance, 0.1 g Readability (CAT#: STEM-BC-1646-ZJF) for industrial precision weighing. This industrial-standard balance is designed to meet customer requirements for fast and stable weighing with a minimum readability of 0.1 grams. It uses a strain gauge load cell and has an automatic dual-range function that provides two range and resolution levels on compatible models. Real-time temperature compensation and an adjustable vibration filter ensure consistent measurement results and accuracy, even under varying conditions.

This balance also offers a variety of functions, including percentage weighing, density measurement, animal weighing, piece counting, cost calculation, check weighing, tare weighing, peak hold and cumulative weighing. Users can perform manual one-touch external calibration and the balance also supports routine adjustments using standard weights. The balance's measurement functions can be controlled via a connected computer, and weight readings can be transferred directly to compatible document or spreadsheet software for convenient data analysis.

The newly enhanced lineup delivers high-accuracy mass measurement solutions for laboratories worldwide, which can meet the stringent demands of pharmaceutical research, life sciences, chemical testing, and industrial quality control. To learn more about STEMart's full line of Balance and Scale products, along with technical specifications and ordering details, please visit: https://www.ste-mart.com/category-balance-and-scale-3583.htm.

About STEMart

STEMart is an industry-leading eCommerce platform incorporated with an extensive global footprint and a broad portfolio of more than 10,000 products. It aims to provide better lab materials, medical instruments and consumables, excellent technologies, and high-quality services to global customers in the fields of science, technology, and engineering, from the discovery stage upward to the manufacturing process. STEMart is dedicated to enhancing research and biotech production with simpler and safer protocols to access better health worldwide.

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