Laboratory Balance

The Secura laboratory balance developed by Sartorius for applications in regulated areas such as pharmaceutical labs fulfills particularly high reliability requirements. The balance monitors its ambient conditions automatically, thereby preventing handling errors. This increases the reliability of weighing procedures in pharmaceutical labs and helps users to achieve better measurement results. Nine different models of the Secura balance are available, covering a range of weighing capacities from 120 grams to 5,100 grams, and a readability of 0.1 to 10 milligrams. The balance is also equipped with various assistance systems designed to prevent further processing of uncertain weighing results, which frequently occur through operating errors during weighing. If errors occur, the balance identifies the uncertain weighing results in the display and blocks their transmission. Secura can therefore increase process reliability and decrease error rates in the lab.

Precise leveling of a balance is an essential component of equipment monitoring and a prerequisite for obtaining accurate readings. The electronic LevelControl sensor ensures that Secura is perfectly level. Non-compliance is indicated visually in the display and blocks output of the reading. Clear instructions in the display guide the user through the leveling procedure simply and safely. This means that lab staff can level Secura laboratory balances located in safety work benches or safety weighing cabinets without having to open the safe work area.

Even minor temperature fluctuations in the lab have a considerable influence on the reproducibility of weighing results. For this reason, balances have to be calibrated regularly and as soon as the ambient conditions change. Once a specified time or temperature threshold is reached, Secura‘s calibration and adjustment function, isoCAL, informs the user and automatically adjusts the balance using internal weights. Every adjustment is documented and can be traced for quality assurance purposes.

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Links:
[1] http://www.sartorius.com/