



FlexiPump Scale

Presentation

Until now, the **FlexiPump** range consisted of two products: the **FlexiPump** and the **FlexiPump Pro**, which are classic peristaltic pumps for liquid dispensing. These **FlexiPump** are equipped with pumps that provide high precision in dispensing.

However, their drawback lies in the need for calibration using **an external precision scale**. During calibration, the **pump's rotation count is associated with the weight of the dispensed liquid**. This calibration process depends on the liquid's density, which must be entered during the procedure. Consequently, calibration is required:

- At the **start of the day**
- **After each pump opening**
- **Midway through dispensing for large volumes***

**The weight of a liquid is influenced by the pressure applied to it. For instance, in a tall container, the pressure differs between the top and bottom of the liquid, which affects the weight. As a result, recalibration is necessary halfway through the dispensing process to avoid the loss-of-charge effect.*

The **FlexiPump Scale** provides a solution with its **simplified calibration method**. Equipped with an **integrated scale**, it eliminates the need to weigh the liquid on an external scale and manually input the data into the device. Furthermore, **calibration is carried out during the distribution process and the calibration dose remains usable**.

The **FlexiPump Scale** offers the same dispensing modes as the classic **FlexiPump**, with the added feature of **dispensing on scale**.

What are the applications of the FlexiPump Scale?

- **Preparation of culture media:** Use the "dose" or "multidose" modes to dispense liquid culture media or agar-based media in a superfusion state.
- **Preparation of tubes:** Use the "dose" or "multidose" modes for preparing dilution tubes.
- **Preparation of large-volume samples**:** Dispense on the scale for media from an autoprocessor, eliminating the loss-of-charge effect.
- **Surface sampling:** Use the "dose" mode to dispense diluents for wipes, cloths or shoe wipes.
- **Soil and land chemistry:** Use the "multidose" mode with liquid drawn from a container, eliminating the loss-of-charge effect.
- **Seed industry:** Use the "multidose" mode to dispense nutrient media into tubes, meeting high throughput requirements.
- **Sterile production:** Dispense sterile water from a container while maintaining sterility.
- **Medical device testing services:** Dispense under sterile conditions, up to complete immersion.

** Additional options: Jumbo Pack

The **FlexiPump Scale** can be equipped with the **Jumbo Pack**, allowing the addition of three booster kits in addition to the pump head.

