

Automated Powder Dosing for Precise Batch Preparation



Fully Automatic Process

Up to 30 samples can be dispensed in one completely unattended run. From 1 mg up to several grams of powder can be weighed out automatically into containers of your choice.



Increased Productivity

Automated powder dosing is much faster than dosing manually, making huge time savings for your lab. In addition, while the autosampler is at work, your staff can focus on other tasks.



Safe, Accurate Dosing

Automated dosing with Quantos is highly accurate and reproducible, even when using small capsules or electrostatically charged substances. Materials are contained, minimizing exposure to toxic substances.



Boost Productivity in Your Lab with High Throughput Dispensing

The Quantos autosampler system is the perfect solution for preparing batches of up to 30 powdered samples in one fully automated run. Not only do you benefit from the highly accurate dosing of Quantos, but laboratory personnel are released to work on other tasks.

Highly flexible, the autosampler system has the unique ability to dose different amounts per vial and records the fill weight in one step. Different sized containers, as well as capsules and vials of any kind, are filled quickly and automatically.

Upgrade Your Balance with a Quantos Autosampler Module

The Quantos autosampler system works in conjunction with your XPE analytical balance. Powders are dispensed automatically into the containers on the autosampler carousel. Preparing samples with the Quantos autosampler module is not only considerably faster than preparing sample manually, it also reduces errors and variability. Up to 30 vessels can be filled in one run.



Technical specifications

Powder dispensing range	1 mg – several grams
Automated minimum weight* (U=1.0%, k=2, 5% load)	0.7 mg with 0.005 mg readability 1 mg with 0.01 mg readability
Automated USP minimum weight* (U=0.10%, k=2, 5% load)	7.0 mg with 0.005 mg readability 10 mg with 0.01 mg readability
Target vessel	Up to 30 containers with an opening diameter of 5-28mm or 15 containers with a diameter of max. 45mm. Maximum height of 110mm (140mm upon request) Adapters for capsules, bottles, vials, tubes, crucibles available
Suitable powders	Free-flowing, fluffy, granular, electrostatically charged
Average dispensing time	10-60 seconds, depending on target weight, powder flow and required accuracy
Compatible balance models	XPE206DR, XPE205, XPE205DR, XPE105, XPE105DR, XPE204
Size WxDxH (mm)	431x473x496

*=typical value



Container flexibility

By simply adjusting the height of the dosing head, Quantos can be used for filling vials, bottles, tubes, capsules, stability pouches, ampules, syringes and more.



Protects users

Operator exposure to hazardous and toxic substances is minimized by attaching the Quantos dosing head directly to the sample container. The powder is then dispensed directly into the target vial.



Traceable data

All information (substance ID, powder quantity, substance expiry date etc.) is saved on the integrated RFID chip and can be printed or called up at the touch of a button.



LabX – for full traceability and easy documentation

Connect your Quantos system to LabX laboratory software and benefit from:

- Full traceability
- Guaranteed adherence to SOPs
- Automatic calculations
- Customizable reports

All data and process information is saved securely, assisting in compliance with FDA 21 CFR Part 11.

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