

## Automated Powder Dosing for Highest Accuracy and Safety



### Smallest Minimum Weight

Automated dosing and weighing reduces the minimum sample weight of your balance by up to 30%. Nanoparticles, fine powders, granules and heterogeneous mixes are suitable for dispensing.



### Save Valuable Substances

With Quantos you can dose directly, precisely and automatically into different containers, thus preventing sample spillage and loss on transfer.



### Contamination-free Weighing

One powder dosing head is dedicated to one substance or lot number for the duration of its lifetime to avoid cross contamination. Samples are identified safely via the built-in RFID chip.



### Dispense Powders Automatically for Precise Sample Preparation

Automated dosing with the Quantos powder dosing module enables you to achieve the highest level of accuracy and safety in sample preparation. In just a few seconds, Quantos can automatically weigh out as little as 1 mg or up to several grams of free-flowing powder directly into your target vessel.

Choose from our range of different dosing heads according to your powder characteristics; even hard to handle or electrostatically charged powders are accurately dosed to target. Optional storage vials offer convenience and provide additional safety when using toxic substances.

## Upgrade Your Balance with a Quantos Powder Dosing Module

The Quantos powder dispensing system works in conjunction with your XPE analytical balance. Powders are dispensed automatically into the container on the balance. Preparing samples with the Quantos powder dosing module takes fewer steps and reduces errors and variability.



### Technical specifications

Powder dispensing range	1 mg - several grams
Automated minimum weight* (U=1.0%, k=2, 5% load)	0.1 mg with 0.001 mg readability 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)	1.0 mg with 0.001 mg readability 7.0 mg with 0.005 mg readability 10 mg with 0.01 mg readability
Target vessel	Opening diameter of >5mm including size 3-13 capsules, bottles, vials, tubes, crucibles
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	XPE56Q, XPE206DR, XPE205, XPE205DR, XPE105, XPE105DR, XPE204, XPE304, XPE504, XPE504DR

\*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. Data can be easily called up and printed to ensure full traceability.



### 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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