MICRO DIFFERENTIAL
DOSING SCALE

MICRO

SWISCA AG
Wührestrasse 14
9050 Appenzell

+41 71 552 44 00
info@swisca.com
www.swisca.com

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The MICRO micro differential dosing scale is a highly accurate measuring instrument for gravimetric weighing of powdery products. This innovative micro differential dosing scale is characterized by precise dosing, excellent sanitation, high flexibility, and a wide performance range.

Type	Hopper Liter			Spiral screw* l/h	Concave screw 0.5d l/h	Concave screw 1.5d l/h	Full leaf screw 0.5d l/h	Full leaf screw 1.5d l/h
Single screw feeder								
18	50	100	–	1.5 – 100	1.5 – 82	2.5 – 164	1.5 – 85	4.5 – 252
40	50	100	200	10 – 840	10 – 640	18 – 1150	11 – 660	32 – 1970
70	–	100	200	32 – 2300	32 – 2050	60 – 3650	35 – 2100	70 – 4630
Dou screw feeder								
18	50	100	–	2 – 150	2 – 126	4 – 251	2.5 – 130	6.5 – 388
40	50	100	200	15 – 1000	15 – 985	127 – 1765	16 – 1015	50 – 3033
70	–	100	200	60 – 4800	60 – 4113	110 – 7369	70 – 4289	145 – 9164

*for fragile products

MICRO efficiently and gently doses various powders, including ascorbic acid, vitamins, starch, dry adhesives, egg powder, flavors, and colorants, into a continuous product stream. With advanced servo technology and precisely calibrated dosing screws, small components can be accurately dosed within a range of 0.5 l/h to 9000 l/h. In batch processing, the micro differential dosing scale measures small batches with gram-level precision, as specified by the recipe. MICRO is designed for easy access and cleaning. The control system with a touchscreen is both reliable and highly robust.

The portfolio, with three screw diameters and versions, is modular and customizable. MICRO can be used as a single-screw or twin-screw feeder for both volumetric and gravimetric applications The dosing unit can be easily disassembled with a quick-release mechanism, allowing easy screw replacement to meet new requirements.

Benefits

+ Precise mass flow measurement and control
+ Energy-efficient function
+ Hygienic design

IoT-compatible control unit with intuitive touch screen operation

Metal detectable connections

Energy-efficient servo drives

High-quality load cells

Concave screw

Full-blade screw

Spiral screw