

FDA BAM <small>Bacteriological Analytical Manual</small>	ISO 7218 <small>Microbiology of food and animal feeding stuffs</small>	ISO 6887-1 <small>Microbiology of food chain</small>
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SMART DILUTOR W

Gravimetric Dilutor

Pharmaceutical | Food & Beverage | Environment | Cosmetics

Main benefits

Ergonomic

Easy to work under laminar flow cabinets. Larger bag holder opening to facilitate the sample introduction.

High accuracy

Weight accuracy $\geq 99\%$
Dilution/dispensing accuracy $\geq 99\%$

Sterility

Easy cleaning.



Parts that contact the diluent can be quickly disassembled to sterilize them in an autoclave.

Iconographic & friendly interface

4,8" capacitive touch screen with iconographic interface.

Traceability

Printer and barcode reader connection for sample traceability.

Scalable

1 or 2 built-in pumps.
Use it with bottles or ready to use media bags.

Programmable

Create your method to streamline the process.
PLUG- AND- PLAY!



Product Overview

The Smart Dilutor W is the solution for labs seeking full processing capacity and traceability in gravimetric dilutions or liquid dispensing. Its **precise weight cell** and **powerful peristaltic pumps** optimize gravimetric dilutions and liquid dispensing to food, pharmaceutical, and cosmetic quality control labs.

Smart Dilutor W is the **3rd generation of IUL's gravimetric** dilutors. IUL designed the first dilutor in 1990 providing automation in sample preparation in microbiology lab workflow.

Workflow



Place the bag in the platform and select your dilution or dispensing method.



Tare weight and introduce the sample in the plastic bag.



Pull the arm towards to start the dilution/dispensing.



Pull the arm backwards. Open the holder, and **take out the sample's plastic bag**.

Technical Data

Weight range	1 g- 2400 g (tare included)
Display resolution	0.1 g
Weight accuracy	≥99% (for weight ≥5 g)
Sample weight resolution	0.01g (after stabilization)
Dilution accuracy	≥99% (for dilution weight ≥10 g) / ≥98% (for dilution weight ≥5 g)
Dilution ratio	Any fraction with numerator 1 to 99 and denominator 1 to 999
Dispensing range	20 g to full weighting range
Delivery speed	100 ml/ 6 s
Selectable surface vibration compensation level	0-4
Integrated pumps	1 or 2
Touch screen	107,95 x 57,5 mm (4,81")
Mains	100-240 ACV 50/60 Hz
Power	40W
Dimensions (WxHxD)	300x265x325 mm (11,81x10,43x12,79 inch)
Weight	6.5 kg

Specifications subject to change without notice.

Ordering Information

1. Smart Dilutor W two pumps. For bottles/For bags
Cat. 90007901/90007901BS
2. Smart Dilutor W one pump. For bottle/For bag
Cat. 90007900/90007900BS
3. Smart Dilutor W two pumps. For bottles and bags
Cat. 90007901BB



For more information about **Smart Dilutor W**, scan the QR code

For more information visit us at:

www.iul-instruments.com

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