

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 be sterilized in
an autoclave.

Traceability

Printer and barcode reader connection for
sample traceability.

User-friendly interface

4,8" capacitive touch screen with
iconographic interface.

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!

99%
accuracy



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 holder 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. **Take out the sample's plastic bag.**

Technical Data and Specifications

Weight range	1g - 2400 g (tare included)
Display resolution	0.1 g
Weight accuracy	≥99% (for weight ≥5 g)
Sample weight resolution	0.01g
Delivery speed	~ 16 ml/s
Selectable surface vibration compensation level	0 - 4
Dilution accuracy	≥99% (for dilution weight ≥10 g) / ≥98% (for dilution weight ≥5 g)
Dilution	XX (Sample) / XXX (Sample + Diluent)
Dispensing range	5g - 1000g
Integrated pumps	1 or 2
Traceability	Sample ID, operator ID (using barcode reader or entering it manually)
Connectivity	Computer, printer, barcode reader
Dimensions (WxHxD)	325 x 365 x 300 mm (12.8 x 14.37 x 11.81 in)
Weight	6,5 kg (14.33 lbs)

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

IUL SA Carrer de la Ciutat d'Asunción, 4 - 08030 Barcelona (Spain)
sales@iul-inst.com • T. +34 93 274 02 32

