

# 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!

**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 diluter in 1990 providing automation in sample preparation in microbiology lab workflow.

## Workflow



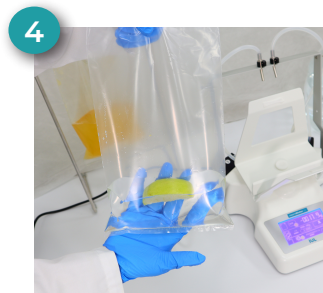
**Place the bag** in the platform and select your dilution or dispensing method.



**Tare weight** and introduce the sample in the plastic bag.



**Pull the arm towards** you to get the Smart Dilutor W ready to the dilution/dispensing.



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

## Technical Data

Performance	
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	5g to full weighting range
Delivery speed	100 ml/ 6 s
Selectable surface vibration compensation level	0.01g (after stabilization)
Integrated pumps	1 or 2
Technical Specifications	
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:  
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