

# ELISA washer



## Product Description

The BS-APW100 Micro plate Washer is easy, convenient and versatile to use for washing micro plate in ELISA assays. It efficiently remove liquid from wells. Low residual volumes eliminate high background signal to ensure reliable assay results. Washing performance can be optimized by adjusting wash parameters, such as wash cycles, soaking time, shaking speed, dispense and aspiration height and speed.

### Safety and reliable feature:

The BS-APW100 is equipped with liquid position sensor to avoid the washing liquid used up or waste liquid from overflow, minimize the risk and avoid the liquid being sucked into the pump to break the equipment. Besides it has shaking function which can improve the washing efficiency. The BS-APW100 Microplate Washer has 4.3 inch LCD display with friendly interface, U-disk can be used to transfer the data's between the PC and the washer or between two washers, it can also be used to upgrade the software. The washing head can be replaced easily for different kinds of microplates.

# STANDARD FEATURES

- Fully automatic
- Windows enabled operating system with large LCD display.
- Washes flat ,U & V bottom strips and plates.
- 12- channel or 8- channel manifold ,automatic & manual positioning.
- Washing – pressure , volume & time adjustable.
- Automatic monitoring of vacuum & pressure ; automatic rinse cycle.
- Automatic check for plate and strip.
- Double needle design to reduce cross contamination.
- Liquid level sensor and alert feature.
- Large memory that helps store and edit up to 50 wash protocols .
- No special airtight bottles required for washing.
- Easy maintenance design.
- It washes flat ,V and U- bottom plates & strips .
- It has small residual volume with several aspiration methods.
- There are 2 needles for dispensation and aspiration preventing cross –contamination .
- It detects liquid level and has an alert function.

## Technical specification

TECHNICAL SPECIFICATION EASY WASH	
Model	BS-APW100
Dispense volume	50-2.000 ml, programmable in steps of 50 µL
Precision	CV < 2% at 350 µL
Accuracy	+/-2.0 % at 350 µL
Minimum volume of residual	< 3 µL / well
Minimum amount of dispensation	2000 µL x 12 or 3000 µL x 8
Cycle time for whole plate	75 sec. (single cycles ) Resp. 120 sec.(three cycles )
user's defined programs	50
manifold	8 pins (12 pins optional)
soaking time	0-24 hr.
display	LCD (90 x 53 mm)
fluid reservoir	2 x 2 ltr. For wash solution and waste
daimention	390 mm (L) x 330 mm (w) x 177 mm (H)
weight	8.5 Kg
power supply	AC 220V ± 22V ; AC110V ± 11V
maximum power	80VA
service temperature	10 °C - 30°C
storage temperature	10 °C - 40°C

### Easy Operation:

The BS-APW100 has 4.3 inch LCD display with friendly interface, U-disk can be used to transfer the data's between the PC and the washer or between two washers, it can also be used to upgrade the software. The washing head can be replaced easily for different kinds of microplates.

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