

# Versatile Powerful and Compact



PW40 is a compact programmable 8-channel manifold microplate washer/aspirator, with built-in vacuum and dispensing pumps. It has been designed for use with 96-well plates and strip plates, with flat-bottomed, U- or V-shaped wells. Dispense and aspirate head heights are user-adjustable, with vertical and horizontal needle positioning in the well at 0.1 mm steps. A cover allows aerosol protection of the working area; the removable plate carrier is auto-clavable for easy disinfection. The system is programmable, with a large choice of washing methods that can be combined for the most complex washing sequences.

## PW40 Microplate Washer

**BIO-RAD**

Get economy and efficiency in a modular system, with the new...

## PW40 Microplate Washer *No compromise with wash quality !!!*

### Features and Specifications

#### Hardware specifications

Manifold	8 or 12 channel (Default: 8 channel)
Vacuum power	1 integrated vacuum pump (maxi 8 L/min)
Volume of Waste bottle	2 litres
User Interface	Flat keyboard with 5 diaphragm keys 2 x 20 characters LCD screen.

#### Software specifications

Kits	Up to 75 wash protocols are programmable. Each kit is saved under its own name (up to 15 characters) and is a combination of methods repeated or not, with or without soaking times, in strip mode or in plate mode.
Method	6 single-cycle washing methods: Wash, Aspiration, Dispensing, Bottom Washing, Bottom Aspiration, Agitation.  4 two-cycle washing methods: Wash + Aspiration, Wash + Bottom Aspiration, Bottom Wash + Aspiration, Bottom Wash + Bottom Aspiration.
Soak time	0 to 9.9 sec Strip mode 0 to 59 min 59 sec in Plate mode.
Repetition	Every method can be repeated from 1 up to 9 times.
Wash mode	Strip mode or Plate mode.
Omit strip	Strips can be omitted during programming of the kit
Plates	Up to 10 plate parameter sets programmable. Accepts flat or curved bottom microplates.  Vertical and horizontal speeds, vertical and horizontal positions of the aspirating needle in relation with the wells are programmable.
Other features	Priming sequence of the hydraulic system at change of Wash solution.  Disinfection program of the hydraulic circuit.

#### Physical Data

Dimensions, including bottles	
Width	551 mm
Length (with plate carrier out)	530 mm
Height	300 mm
Weight (without accessories)	11.0 kg

#### Electrical Data

Voltage	240 / 100 VAC; 50 / 60 Hz
Consumption	100 VA max
Fuses	2.5 AT (2 fuses, 5 x 20 mm)
Power Cord	on CEI socket

#### Resolution

Precision	± 5% CV (0.9% Na Cl W/v)
Wash volume	50 to 3000 µl per well
Residual volume	< 2 µl per well



### Ordering information

Catalogue number 85499 : PW40 Microplate Washer

**BIO-RAD**

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