

# DIAsource ELISA Washer DIA3000 – Technical Specifications

## Description

**PLATE WASHER** is a versatile, user friendly & rugged instrument designed by keeping both quality and price in view. The instrument is simple, yet versatile as it uses the state of art hardware for its components.

## Special Features

- Built in two plate ELISA incubator
- User programmable soak time, wash cycles and dispensing volume.
- Battery backed up memory for 50 tests.
- Waste bottle full indicator with audible alarm.
- Built-in stabilizer.
- State of art equipment with versatile software.
- Real time clock.
- Continuous aspiration to prevent overflow.
- Loosely held Manifold to prevent scratching of well bottoms.
- Uses special software to aspirate “U” shaped, “V” shaped, and wide wells.
- On switching ‘OFF’ the instrument, it performs RINSE operation first and then instrument automatically gets off.



## Technical Specification



<b>Manifold</b>	8 Way Manifold autoclavable
<b>Dispensing Method</b>	Specially designed Peristaltic Pump
<b>Volume</b>	50 - 500 µl
<b>Aspirating Method</b>	Continuous through diaphragm pump while dispensing hence preventing overflow
<b>Residual Volume</b>	< 5 µl
<b>Waste Bottle</b>	One (Capacity 2 liters) with audible alarm when bottle is completely filled in with waste solution
<b>Wash Bottle</b>	One (Capacity 2 liters)
<b>Rinse Bottle</b>	One (Capacity 2 liters)
<b>Display</b>	16 digit alphanumeric fluorescent
<b>Liquid contact materials</b>	Silicon, stainless steel, derline
<b>Memory</b>	8 KB Non volatile RAM Battery backup, supporting 35 Open channels
<b>Programming Modes</b>	Plate Wash Strip Wash Bottom Wash Overflow Wash Rinsing Priming Disinfect
<b>Shaking Time</b>	1 to 59 Seconds
<b>Speed</b>	8 Steps
<b>Incubator</b>	For two ELISA Plates, 37+/-10C
<b>Timer</b>	Individually Programmable 2 Nos.
<b>Power Wattage</b>	50 Watts
<b>Voltage</b>	115-240 Volts ± 10%, 50 /60 Hz
<b>Operating Position</b>	On horizontal, rigid, flat and vibration free surface
<b>Operating Conditions Temperature</b>	+180C to 350C
<b>Humidity</b>	Up to 85 %
<b>Storage Conditions Temperature</b>	- 100C to 600C
<b>Humidity</b>	Up to 85 %
<b>Enclosure</b>	ABS Fire retardant
<b>Size (cms)</b>	35 X 35 X 13 (l X b X h)
<b>Weight</b>	6 Kg. (Approx)