



1 Autura 1000 Microplate Washer

Autura 1000 is a unique processor for the fully automated washing and filling of both, 96- and 384-well microplates, including deep well and filter bottom formats. It is designed to achieve a fast and reliable microplate processing with high precision and repeatability, whilst allowing the user a multitude of individual adjustment possibilities.

Mikura

- accurate dispensing precision and low residual volumes.
- optional aerosol protection cover.
- unique open construction for easy integration with robotic systems.
- plate sweep for the lowest residual volumes.
- up to 25 user-programmable wash protocols.
- liquid level sensing in all reservoirs with audible and visual warning system.
- extremely easy to clean and maintain.
- Autura accommodates all variants of 96- and 384-well microplates.
- RS232 port ensures Auturas robotic integration.
- remote control software available.

Additional features

- easy exchange of wash heads.
- 8, 12, 16, 24-port heads available
- Easy to read full alpha numeric display.
- Autura operates on 12V d.c., supplied via an external switch mode power supply, thus enhancing operational safety.
- separate dispense and aspirate channels reduce the possibility of cross contamination.
- compact design.
- CE marked.

Technical specification

Operating voltage/Hz:	100 - 240V AC 50/60Hz
Max. Current requirement:	52VA
Dispense reservoir:	Up to 2 x 2 litres
Waste reservoir:	2 litres
Residual volume:	3 µl per well typical action or 1 µl per well with sweep
Precision:	CV = ±3% 300µl
Dispensing volume:	25 to 1500µl in 25µl increments
Speed:	2.5mins*
Weight of complete system:	9.2kg
Dimensions of complete system:	350 x 650 x 350mm (WxDxH)

Type	PK	Cat. No.
Automatic microplate washer Autura 1000, 8 channel	1	4.006 927
Automatic microplate washer Autura 1000, 12 channel	1	4.006 928

* to complete a 3 wash cycle using a double row 12 port head, 350µl/well, 96-well plate



1 Manual Microplate washer Type 200

Mikura



The 200 Series Washer - the most user friendly manual washer on the market. The user can choose to process the plate either in its storage position - on top of the pump unit, or down on the benchtop.

- quiet and reliable operation in a compact modular format.
- accurate dispensing and low residual volumes.
- adjustable dispense pressure.
- filtered pump inlet and silenced outlet.
- fully autoclavable, metal free fluid path.
- colour coding for easy maintenance and system modularity.
- extremely easy to clean, small footprint, compact in storage.
- 8 or 12 way wash heads, optional aspirate probes and fill manifolds.
- optional head designs for paper disc washing.
- 12V d.c. remote power supply for piece of mind and added safety.
- CE Marked.

Technical specification

Operating voltage/Hz:	100-240V 50/60Hz a.c.
Max current requirement:	12VA
Dispense reservoir:	2 litre bottle
Waste reservoir:	2 litre bottle
Weight of pump unit:	3.0kg
Weight of complete system:	4.8kg
Dimensions, WxDxH: (with reservoirs)	250 x 300 x 250mm

Type	PK	Cat. No.
8 Channel Washer complete	1	4.006 931
12 Channel Washer complete	1	4.006 932

2 Inca Microplate Incubator

Mikura



The personal microplate incubator for reliable, accurate and long-life operation

- variable temperature control as standard
- temperature or elapsed time display
- built-in timer with buzzer
- accommodates all plate types
- easy microplate location
- quiet and reliable
- minimal footprint
- no maintenance required
- available in various colour combinations
- low voltage for added safety
- ideal for field applications
- CE Marked

Whether a laboratory technician or a diagnostic kit manufacturer the Inca is the natural choice for single microplate incubation.

Laboratory bench space is costly. However, with a footprint of just 120mm x 180mm, Inca offers the most economical and advanced technical solution.

The use of unique design and advanced electronic temperature control circuitry guarantees an outstanding stable and accurate performance combined with quiet and long operating life.

Technical specification

Temperature range:	5°C above ambient to 45°C
Accuracy:	>±0.5°C of set temperature
Dimensions WxDxH:	120 x 180 x 100mm (main unit)
Weight complete system:	920 g
Heater Power:	15 watts
Operating voltage:	100-230V 50/60Hz a.c.
Power consumption:	1.25A
Power Supply:	12V, 2A, d.c., centre +
Environmental operating temp.:	10 °C 40 °C
Environmental storage temp.:	4° C 40° C
Fuse rating:	1.25A T
Display:	3 Digit LCD temperature display
Case Material:	ABS

Type	PK	Cat. No.
Personal microplate incubator Inca	1	4.006 930