

ATLANTIS microplate washer



ATLANTIS

Flexibility and precision in microplate washing

The Atlantis microplate washer is renowned for its excellent price/performance ratio. Equipped with features usually only available as optional extras, the Atlantis is the ultimate choice for discerning laboratories. Operation is simple, with the two line alphanumeric display and 5 soft keys for easy programming; the Atlantis allows up to 50 wash programmes and 20 plate types to be permanently stored. In addition, the plate carrier is detachable for cleaning and the quick changing of manifolds simplifies the use for different plate types. The unique manifold position sensor allows a precise height adjustment which minimises residual volumes. Digitally controlled aspiration and dispensing pumps provide high accuracy and low noise levels.

FEATURES

Top loading Provides easy handling and facilitates robotics operation. For convenience the plate remains visible during the washing process.

Low noise pumps The use of an aspiration pump ensures quiet operation (no noisy vacuum pumps). Pressure free dispensing system allows flexibility in bottle size.

Flexible wash options 20 wash cycles, bottom and overflow washing, shaking and crosswise aspiration can be used in up to 50 wash programs. In addition, up to 20 plate types can be defined making the Atlantis one of the most flexible microplate washers available today.

Manifold Position Sensor Precise positioning to minimise residual volumes as well as detection of incorrectly inserted strips or plates.

Automatic rinsing Automatic, periodic rinsing prevents clogging of the liquid path.

Optional liquid level sensors Avoids wash bottles becoming empty or the overflow of waste bottles.

TECHNICAL DATA

Wash program	Up to 50
Wash cycles	Up to 20
Plate types	96 and 384 well, up to 20 can be defined and stored
Wash liquid channels	Atlantis 2 allows 1 wash buffer and 1 rinse liquid / Atlantis 4 allows the use of up to 4 liquids
Dispensing volumes	Programmable from 50 to 2000 µl in 50µl increments
Dispensing accuracy	< 5 % at 300 µl
Residual volumes	< 1.5 µl per well / Flat bottom plates
Liquid flow rate and vacuum strength	Programmable as low, medium or high
Aspiration times	1 second intervals from 0 to 10 seconds
Soak time	10 second intervals from 0 to 1000 seconds
Shaking time	1 second intervals from 0 to 10 seconds
Shaking speed	Programmable as low, medium or high
Manifolds	1 x 8 channel supplied as standard, optional 1 x 12 for 96 well plates and 1 x 16 for 384 well plates
Display	Alphanumeric LCD-display with back light, 2 x 16 characters
Computer interface	RS-232 bidirectional
Standard bottle set	2 x 2 l (Wash and Rinse), 1 x 2.5 l (Waste) for Atlantis 2 4 x 2 l (Wash and Rinse), 1 x 2.5 l (Waste) for Atlantis 4
Dimensions and weight	21 x 44 x 21 cm, 8.3" x 17.3" x 8.3" (W x D x H), 8 kg / 17.8 lbs
Power requirements	90-250 V, 50/60 Hz auto-sensing, 60 VA

ORDER INFORMATION

ATLANTIS 2
Part number: G021101

ATLANTIS 4
Part number: G021102

LIQUID LEVEL SENSOR
Part number: B021080

12 CHANNEL MANIFOLD
Part number: B021011

16 CHANNEL MANIFOLD
(FPR 384 WELL PLATES)
Part number: B021013

As part of our policy of continuous product development we reserve the right to alter specifications without notice. The products are CE compliant.



20 different wash cycles are available



Optional liquid level sensors



Up to 20 different plate types can be defined



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