

Scinomix 2000-0865

Air Displacement Pipettor

The design of the fully programmable pneumatic ADP represents a cost-effective, compact automated pipetting solution. The module is capable of aliquoting reagents or samples and is an integral part of our complete Scinomix AQ Aliquoting System. Workflows supported include sample aliquoting, sample pooling, sample dilution, and reagent dispensing. The ADP boasts accuracy and precision down to a percentage of a microliter with minimal maintenance interaction required.

- Built-in pressure monitored liquid level detection (pLLD), with user configurable detection settings
- Features an optional integrated disposable tip sensor to support requirements for sample integrity and process security
- Designed to be maintenance-free, with pre-programmed air volume calibration and use of high-quality long-life components
- A disposable tip ejection mechanism is incorporated into the design, allowing tips to be ejected by a single command.



Scinomix 2000-0865 SPECIFICATIONS

Pipetting Range	< 5 – 1000 μ l
Resolution	25 nl/increment (40,000 increments for 1000 μ l)
Tip Compatibility	Tecan disposable tips (DiTis) 10, 50, 200, and 1000 μ l
Pipetting Performance	For more information on performance specifications or to set up a demonstration of the AQ system, please contact your account manager or info@scinomix.com .
Dimensions	141 mm x 85 mm x 17 mm (body), ~100 mm probe + DiTi length
Weight	< 400g
Power Requirement	24 VDC \pm 10 %, 500 mA peak, 250 mA nominal
Liquid Level Detection (LLD)	Pressure-based detection with tunable parameters (pLLD, optional) Compatibility and configurability for external capacitive detection (cLLD)
Operating Conditions	15–35 $^{\circ}$ C (59–95 $^{\circ}$ F), 20–85 % RH (non-condensing)
Storage Conditions	-20 to 70 $^{\circ}$ C (-4 $^{\circ}$ –158 $^{\circ}$ F), \leq 85 % RH (non-condensing)