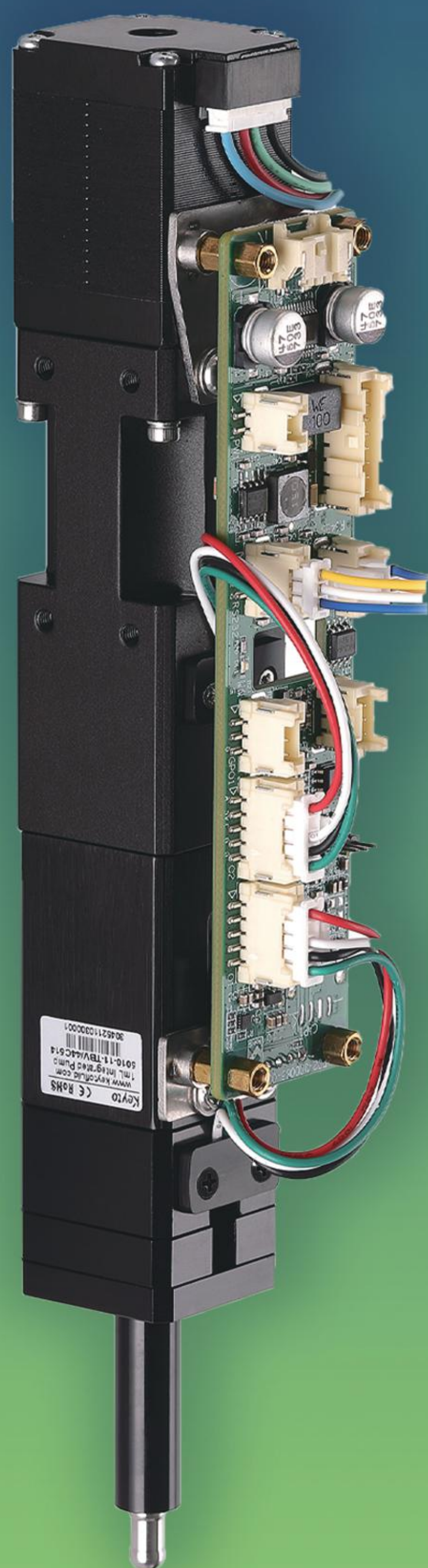


# SP28

## Air Pipetting Pump

*Ultra-high precision | Flexible | Intelligent control  
| Wear-resistant and corrosion-resistant.*

SP28 is a pipetting module developed by Keyto. It is compatible with disposable tips, accurate quantitative, integrated and programmable. The main functions are to realize tip detection, automatic tip pick up & ejection, liquid level detection, etc. The pipette series has fewer space requirements, low noise, high performance, low cost, no piping, no perfusion, no cross contamination, maintenance-free, especially suitable for highly integrated automation equipments.



Flexible choice



Intelligent control



Precision pipetting



Long service life





## Main Applications



## Function



Option ① Tip ejector



Option ② Tip ejector +Tip sensor



Option ③ Tip ejector +Tip sensor+Liquid level detection+Liquid level following+Clot detection

## Technical features

- ① Suitable standard probe size: 12mm, 40mm, 65mm
- ② Anticipated life: Unique seal design ensures pipette service life of more than 3 million cycles, and maintenance-free.
- ③ Flexible choice: Three options are available for different applications in different environments
- ④ Prevention of cross-contamination: Compatible with disposable tips, greatly reduced the possibility of cross-contamination.

## Specifications

Maximum displacement	100uL~1ml	Communication and control	RS-232, RS-485 or CAN
Liquid level detection (LLD)	Pressure-based detection	Driver design	Stepper motor gear driven piston
Weight	≤500g	Medium temperature	+5-40°C
Tip volume	100ul/250ul/500ul/1ml	Power requirement	24V DC
Dimensions	140*28*28mm(options 1 and 2) 140*28*48.8mm(option 3) probe size is not included	Anticipated life	3 million cycles