King Square

# ZADP1000-18PRO Z-Axis Pipetting Module

Integrated Z-axis and air pump for same-side parallel pipetting layouts.



## Technical specifications

| | |
|---|---|
| Power supply | DC24V,peak current2000 mA |
| Communication | RS-485/CAN |
| Operating environment | Temperature15 °C-35 °C, RH20%-85%non-condensing |
| Effective travel | 180 mm (customizable) |
| Maximum speed | 180 mm/s |
| Positioning accuracy | ±0.03 mm |
| Theoretical resolution | 1um |
| Rated full-travel life | 1,000,000 cycles |
| Force-controlled tip pickup range | 2 N–20 N |
| Dimensions and mass | height 275 mm, width 129 mm, depth 17 mm, mass 1065 g |

## Product features

- Belt transmission supports quiet linear motion.
- Force-controlled tip pickup for compatible disposable tips.
- One-way damping helps retain axis position during power loss.
- RS-485 and CAN communication.
- A compact command set supports integration with host control software.
- Designed for low-noise operation.

## Dimension drawing

