King Square

ZADP1000-9 Z-Axis Pipetting Module

Close-pitch liquid-handling module for parallel pipetting assemblies.



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 257 mm, width 143 mm, depth 17 mm, mass 1057 g

Product features

- 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

