King Square

Twelve-Channel Pipetting with Powered Z Axis

A parallel pipetting configuration with a powered Z axis and force-controlled tip pickup.



Technical specifications

Pipetting range	1-200 μL
Communication	RS-485/CAN
Automatic tip ejection	Yes
Automatic Z-axis tip pickup	High-torque Z-axis drive supports force-controlled tip pickup
Maximum pipetting speed	800 μL/S
Liquid-level detection	Capacitive liquid-level detection on one channel
Drip protection	Optional drip tray linked to the Z axis
Pipetting precision	CV≤1% (maximum pipetting volume10%or higher)
Plunger diameter	Φ3.5
Theoretical resolution	0.0059 μL/Plus
Tip spacing	9 mm (customizable)
Channels	12 (customizable)
Compatible tip capacities	10 μL, 50 μL, 200 μL (conductive or nonconductive)
Dimensions and mass	height 250 mm, width 200 mm, depth 165 mm · mass 1800 g
Rated service life	1,000,000 cycles

Product features

- Force-controlled tip pickup for compatible disposable tips.
- RS-485 and CAN communication.