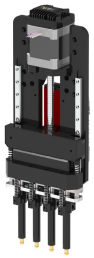
King Square

Four-Channel Pipetting with Tip Detection

A fixed-pitch pipetting module configured with individual channel tip-presence detection.



Technical specifications

Pipetting range	1-1000 μL
Communication	RS-485/CAN
Automatic tip ejection	Yes
Tip-presence monitoring	Independent tip detection on each channel with a bus I/O module
Maximum pipetting speed	1600 μL/S
Liquid-level detection	Capacitive liquid-level detection on one channel
Pipetting precision	CV≤1% (maximum pipetting volume10%or higher)
Plunger diameter	Φ5
Theoretical resolution	0.0120 μL/Plus
Tip spacing	18 mm (customizable)
Channels	4 (customizable)
Compatible tip capacities	10 μL, 50 μL, 200 μL□1000 μL (conductive or nonconductive)
Dimensions and mass	height 290 mm, width 100 mm, depth 63 mm · mass 570 g
Rated service life	1,000,000 cycles

Product features

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