Electronic Multichannels

Electronic Adjustable Spacers
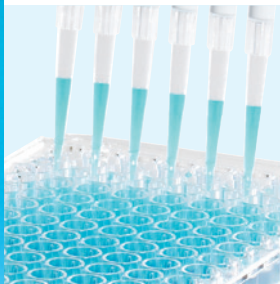## Quickly Move Samples Between Formats

Easy operation
The E4 XLS is designed to work the way you think. Its color graphics, large screen and precision joystick have revolutionized electronic pipetting. The simple interface makes adjusting settings quick and easy.

Tubes to plates!
Don't let changing sample formats slow you down. Set the nozzle spacing and quickly move samples between different plates and tubes. Perfect for high-throughput applications with precious samples.

Simplify repetitive pipetting
Multi-dispense takes the drudgery out of repetitive pipetting by calculating how many aliquots can be dispensed from a single pickup. Autopace simplifies repeat dispensing – click the joystick once and repeat dispense across a plate.

GLP/GMP security
Reduce compliance risks! Onboard service data is extremely secure and quick to access. Avoid calibration compliance errors by password protecting access to service interval alarms. Minimize pipetting SOP deviations by locking protocol setting.
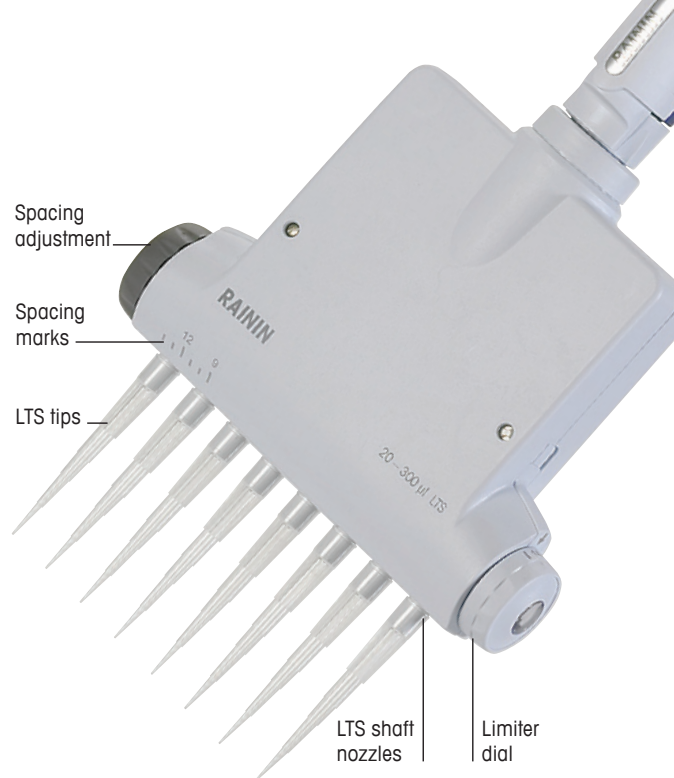
E4 XLS Adjustable Spacer
Different Formats? Not a Problem!

For high throughput work involving multiple formats, choose the Rainin E4™ XLS™ Adjustable Spacer multichannel pipette for speed and flexibility. The E4 is easily configured to be as simple or elaborate as your work requires. Its large color screen, joystick control and graphic interface make moving between functions and operating the pipette easy and effortless. Not only is every E4 function highly customizable, multiple protocols can be stored on board for later use.

METTLER TOLEDO

E4 XLS Adjustable Spacer
Fast Transfer Between Tubes and Plates

- Transfer multiple samples at once from tubes to 12–96-well plates
- Precise continuous nozzle spacing adjustment maximizes flexibility and reproducibility
- Set spacing between 9–14 mm (8-channel) and 9–19 mm (6-channel)
- Standard modes include Basic pipetting, Multi-Dispense and Mix
- Advanced modes include sequential volume programming for complex protocols, titration, dilution and reverse mode pipetting
- Control of aspirate, dispense and mix speeds for challenging liquids
- Optional blowout and automatic dispensing settings for precision pipetting protocols
- Password protect pipette settings for GLP security
- Save your favorite protocols
- Simple or complex: configure the E4 XLS for any task
- PureSpeed™ protocol for fast sample preparation (with PureSpeed Tips)
- Multilingual display and on-screen Help
- Easily accessible service records and alarms
- Optional SmartStand charges four pipettes, provides advanced asset management capabilities

Spacing adjustment
Spacing marks
LTS tips
LTS shaft nozzles
Limiter dial

LTS™ LiteTouch™ Tip Ejection System
- Small seal and positive stop means consistent sample loading – across all channels, every time!
- No nozzle o-rings
- Lower forces – less fatigue
- Progressive tip ejecton

Technical Data

Specifications

Model	Volume (µL)	Increment (µL)	Tip Spacing (mm)	Accuracy %	Accuracy µL (±)	Precision %	Precision µL (≤)
EA8-50XLS	5	0.05	9-14	3.5	0.18	1.5	0.075
	25			1.2	0.3	0.4	0.1
	50			0.8	0.4	0.3	0.15
EA6-300XLS, EA8-300XLS	30	0.5	9-19	2.5	0.75	1	0.3
	150		9-14	0.8	1.2	0.25	0.375
	300			0.8	2.4	0.2	0.6
EA6-1200XLS, EA8-1200XLS	100	1	9-19	3.6	3.6	0.6	0.6
	600		9-14	0.8	4.8	0.2	1.2
	1200			0.8	9.6	0.15	1.8

Model	Volume	Tip Spacing	Transferable Format
8 Channel	5 – 50 µL	9 – 14 mm	Microfuge tube ⟷ 96-well plate
	20 – 300 µL		Microfuge tube ⟷ 48-well plate
	100 – 100 µL		48-well plate ⟷ 96-well plate
6 Channel	20 – 300 µL	9 – 19 mm	15mL-tube ⟷ Microfuge tube
	100 – 1000 µL		15mL-tube ⟷ 24-well plate
			15mL-tube ⟷ 48-well plate
			15mL-tube ⟷ 96-well plate
			Microfuge tube ⟷ 24-well plate
			Microfuge tube ⟷ 48-well plate
			Microfuge tube ⟷ 96-well plate
			24-well plate ⟷ 48-well plate
			24-well plate ⟷ 96-well plate
			48-well plate ⟷ 96-well plate

Ordering Information

MT-Order No.	Description	Volume Range
6-Channel		
17012327	EA6-300XLS	20–300 µL
17012328	EA6-1200XLS	100–1200 µL
8-Channel		
17012329	EA8-50XLS	5–50 µL
17012330	EA8-300XLS	20–300 µL
17012331	EA8-1200XLS	100–1200 µL

Note: Li-Ion battery and Wall Power Supply are included.

ISO 9001 registered
ISO 14001 registered

www.mt.com/rainin

Für weitere Informationen

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