

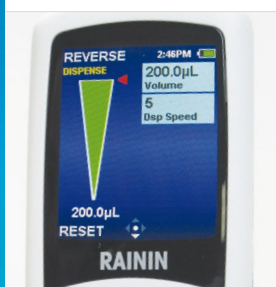
Accelerate your Workflow

The App Master



Fast Navigation

A model of simplicity, the E4 XLS menu structure, joystick control and large color screen make switching between modes and setting functions quick and easy.



Fully Loaded

In addition to standard pipetting, the E4 XLS includes other modes— Multi-dispense, Reverse, Dilute and Titrate—to help speed your workflow.



"True" Manual Mode

In True Manual™ mode, the joystick gives you precise control over aspiration and dispense in real time. Perfect for simultaneous collection and volume quantitation of sample supernatants.



Enhanced GLP Functionality

Easily accessible (yet secure) service data, usage alarms and the E4's large, easy to read screen both enhance and complement GLP compliance. Embedded RFID tags enable advanced asset calibration and inventory management.



E4™ XLS™ Single Channel Pipette

The new standard in electronic pipetting

Rainin's E4 XLS is loaded with features, functionality and a revolutionary new approach to navigation that has redefined simplicity and control in pipetting. The contoured body, even balance and Rainin's legendary precision and accuracy all combine to offer an extraordinary pipetting experience. The E4 XLS is also completely upgradeable and expandable right from your PC.

E4 XLS Electronic Pipette

Unparalleled Performance and Comfort

- Large 16-bit color screen, joystick control and carousel menus speed access to all modes and options
- Standard functions include Basic pipetting, Multi-dispense and Mix
- True Manual™ pipetting mode permits continuous Real Time control of pipetting speed and direction, combined with precise volume measurement
- Advanced functions include sequential volume programming for complex protocols, titration, dilution and reverse mode pipetting
- Independent control of aspirate, dispense and mix speeds for challenging liquids
- Blowout and automatic dispensing options for precision pipetting protocols
- Ergonomic fingerhook and joystick provide maximum comfort
- Multilingual display and on-screen Help
- Easily accessible service records and alarms
- RFID enabled for advanced asset management
- Li-Ion battery and Wall Power Supply included
- Rapid Charge Stand optional. Charges three pipettes simultaneously in one hour
- LTS-equipped models feature Rainin's patented cylindrical shaft and tip design – up to 80% lower ejection force



E4 in Multi-Dispense Mode

Technical Data

Model	Volume Increment		Accuracy		Precision	
	µL	µL	%	µL (±)	%	µL (≤)
E4-10XLS, SE4-10XLS	1.0	0.01	2.5	0.025	1.2	0.012
	5.0		1.5	0.075	0.6	0.03
	10.0		1.0	0.1	0.4	0.04
E4-20XLS, SE4-20XLS	2	0.02	7.5	0.15	2.0	0.04
	10		1.5	0.15	0.5	0.05
	20		1.0	0.2	0.3	0.06
E4-100XLS, SE4-100XLS	10	0.1	3.5	0.35	1.0	0.1
	50		0.8	0.4	0.24	0.12
	100		0.8	0.8	0.15	0.15
E4-200XLS, SE4-200XLS	20	0.2	2.5	0.5	1.0	0.2
	100		0.8	0.8	0.25	0.25
	200		0.8	1.6	0.15	0.3
E4-300XLS, SE4-300XLS	30	0.2	2.5	0.75	1.0	0.3
	150		0.8	1.2	0.25	0.375
	300		0.8	2.4	0.15	0.45
E4-1000XLS, SE4-1000XLS	100	1	3.0	3.0	0.6	0.6
	500		0.8	4.0	0.2	1.0
	1000		0.8	8.0	0.15	1.5
E4-2000XLS, SE4-2000XLS	200	2	3.0	6.0	0.6	1.2
	1000		0.8	8.0	0.2	2.0
	2000		0.8	16.0	0.12	2.4
E4-5000XLS, SE4-5000XLS	500	5	2.4	12.0	0.6	3.0
	2500		0.6	15.0	0.2	5.0
	5000		0.6	30.0	0.16	8.0
E4-10MLXLS, SE4-10MLXLS	1 ml	10	5	50.0	0.6	6.0
	5 ml		1	50.0	0.2	10.0
	10 ml		0.6	60.0	0.16	16.0
E4-20MLXLS	2 ml	20	5.0	100.0	0.6	12.0
	10 ml		1.0	100.0	0.2	20.0
	20 ml		0.6	120.0	0.16	32.0

Cat. No. LTS	MT-Order No. LTS	Cat. No. Traditional	MT-Order No. Traditional	Volume Range
E4-10XLS	17012305	SE4-10XLS	17012346	0.5–10 µl
E4-20XLS	17012306	SE4-20XLS	17012347	2–20 µl
E4-100XLS	17012307	SE4-100XLS	17012348	10–100 µl
E4-200XLS	17012308	SE4-200XLS	17012349	20–200 µl
E4-300XLS	17012309	SE4-300XLS	17012350	20–300 µl
E4-1000XLS	17012310	SE4-1000XLS	17012351	100–1000 µl
E4-2000XLS	17012311	SE4-2000XLS	17012352	200–2000 µl
E4-5000XLS	17012312	SE4-5000XLS	17012353	500–5000 µl
E4-10MLXLS	17012313	SE4-10MLXLS	17012354	1000 µl–10 ml
E4-20MLXLS	17012314	N/A	N/A	2000 µl–20 ml

Accessories

Cat. No.	MT-Order No.	Description
E4-RCS	17012332	Rapid Charge Stand
RFID-KIT	17011966	RFID Kit including RFID Reader and LabX Direct Pipette-Scan software
RFID-RDR	17011964	Rainin RFID Reader
LABX-PIPET	17011965	LabX Direct Pipette-Scan Software

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