Multichannel Pipettes

Accelerate your Workflow
Precision Across All Channels

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.

Consistent on all channels
LTS's cylindrical tip design assures fast tip mounting, consistent sample loading and leak-free seals across all channels. And with no o-rings to break, LTS eliminates a common cause of sample contamination and volume inconsistency. 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.

Enhanced GLP Functionality
Easily accessible 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™ Multichannel Pipette
Speed your workflow

For high-throughput work, nothing compares with the E4 XLS Multichannel. Fast loading, easy to handle and absolute precision and consistency across all channels are Rainin hallmarks. Increase your productivity and speed your workflow with the most fully featured and easiest-to-use electronic pipette available. The E4 XLS is also the world's first electronic pipette that can be upgraded and expanded right from your PC.

METTLER TOLEDO

E4 XLS Electronic Multichannel Pipette
High-throughput pipetting engine

- Uses LTS® tips for consistent sample loading across all channels and low tip ejection forces
- Large 16-bit color screen, joystick control and carousel menus speed access to all modes and options
- Standard functions include Basic pipetting, Multi-dispense, Mix and True Manual™ pipetting mode
- Advanced functions include sequential volume programming for complex protocols, titration, dilution and reverse mode pipetting
- Independent adjustments for aspirate, dispense and mix speeds accommodate challenging liquids
- Blowout and automatic dispensing options enable precision pipetting protocols
- Ergonomically designed fingerhook and joystick for 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® LiteTouch® Tip Ejection System

The solution for common multichannel problems
- Consistent sample loading - across all channels, every time!
- No nozzle o-rings
- Lower forces – less fatigue

Technical Data

Cat. No.	MT-Order No.	Volume Range
8-Channel		
E8-10XLS	17012321	1–10 µl
E8-20XLS	17012322	2–20 µl
E8-50XLS	17012323	5–50 µl
E8-200XLS	17012324	20–200 µl
E8-300XLS	17012325	20–300 µl
E8-1200XLS	17012320	100–1200 µl
12-Channel		
E12-10XLS	17012315	1–10 µl
E12-20XLS	17012316	2–20 µl
E12-50XLS	17012317	5–50 µl
E12-200XLS	17012318	20–200 µl
E12-300XLS	17012319	20–300 µl
E12-1200XLS	17012320	100–1200 µl

Accessories

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

Model	Set Volume µl	Increment µl	Accuracy %	Accuracy µl (±)	Precision %	Precision µl (≤)
10 µl	1	0.01	2.5	0.025	1.2	0.012
	5		1.5	0.075	0.6	0.03
	10		1.0	0.1	0.4	0.04
20 µl	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
50 µl	5	0.05	3.5	0.18	1.5	0.075
	25		1.2	0.3	0.4	0.1
	50		0.8	0.4	0.2	0.1
200 µl	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
300 µl	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
1200 µl	100	1	3.6	3.6	0.6	0.6
	600		0.8	4.8	0.2	1.2
	1200		0.8	9.6	0.15	1.8

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