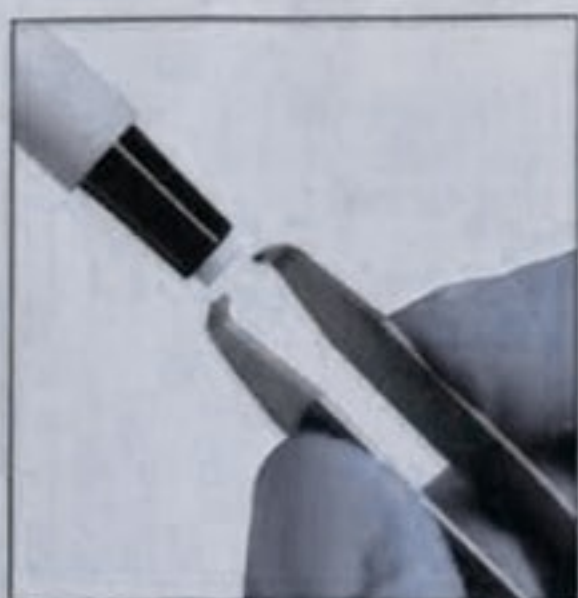# QUICK START GUIDE
eLINE® Electronic Pipettes

Getting Started

1. Sartorius eLINE® pipettes are delivered ready for use, with the battery poles covered by a plastic protective film. Remove the plastic film from below the battery before use. The battery is partially charged. For the best results, we recommend fully charging the pipette for approximately 12 hours before first use.
   - **Using the AC-adaptor:** connect the charger to the pipette, and plug the charger adapter into a mains power outlet.
   - **Using the charging stand or carousel:** make sure the charging stand is connected to a mains power outlet, and insert the pipette into the grooves on the charging stand so that the charging contacts meet.
2. Insert the replaceable Safe-Cone Filter(s) into the tip cone(s) before use, to reduce the possible risk of the pipette becoming contaminated. Alternatively, you may use filter tips.
3. Press any button to turn the power on.
4. Press one of the tip ejector buttons when indicated by the display.
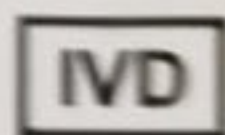5. The pipette is now ready for programming and use.

Reboot by presseing the
Reset button

Reset

Press the Reset button on the back of the pipette to reboot the pipette. Please note, this does not remove the stored programs or mode settings.

Tell us what you think of
Sartorius Pipettes and Tips
www.sartorius.com/lh-satisfaction

Sartorius Biohit Liquid Handling Oy
Laippatie 1
00880 Helsinki, Finland

Phone +358.9.755.951
lhinfo.finland@sartorius.com

Sartorius Lab Instruments GmbH & Co. KG
Weender Landstrasse 94–108
37075 Goettingen, Germany

Phone +49.551.308.0
Fax +49.551.308.3289
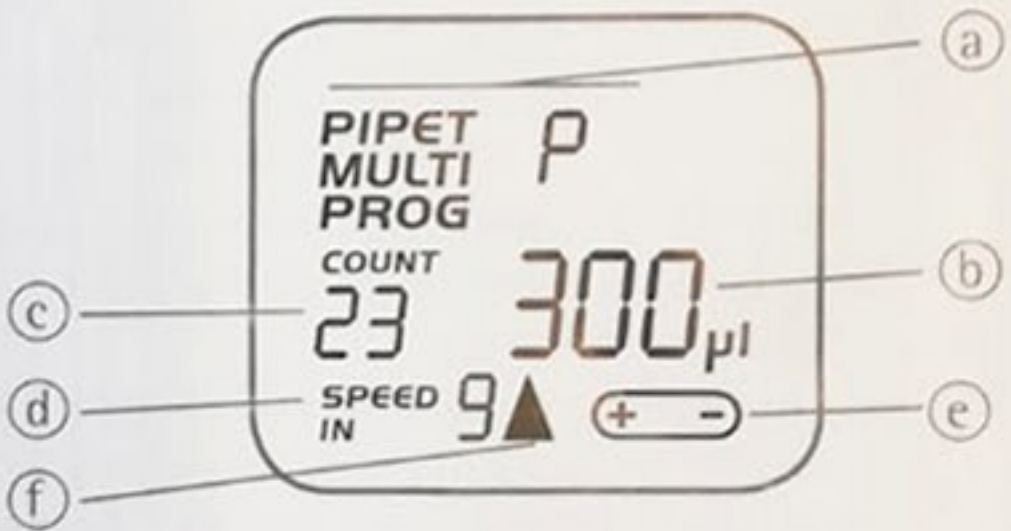
Product Overview

Overview and Operating Buttons

1. Display
2. Charging contact
3. Select button
4. Enter button
5. Arrows up and down
6. Tip ejector buttons
7. Start button
8. Charger cable connector
9. Battery case cover
10. Reset button

Display

a. Current Pipetting Mode (display code)
b. Volume
c. Aliquots in multi-dispensing mode
d. Speed in or out
e. Battery charge indicator
f. Arrow indicating pipetting direction

Pipetting Modes
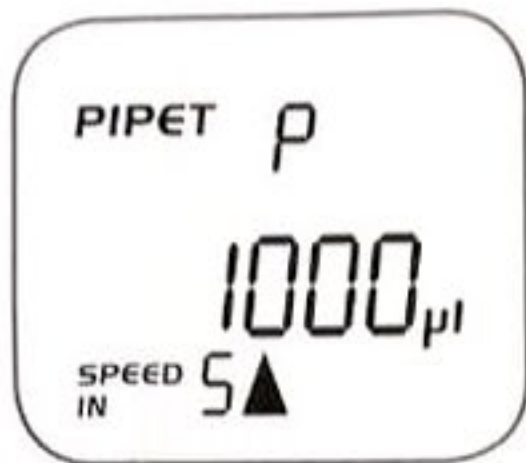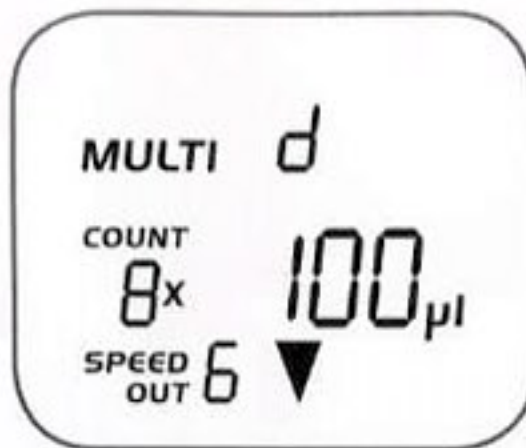
Display Code	Pipetting Mode	Additional Functions		
		Mixing	Counter	Auto-Dispensing (Timed)
PIPET SP	Super Pipetting	Only available in eLINE® 0.1–5 µl		
PIPET P	Pipetting	✓	✓	
PIPET rP	Reverse Pipetting			
PIPET MANUAL	Manual Pipetting[1]			
MULTI d	Multi-Dispensing			✓
MULTI dd	Diluting	✓		
MULTI Sd	Sequential Dispensing[2]			
MULTI SA	Multi-Aspirating			

1) Not available in multichannel models
2) Not available in eLINE® 0.1–5 µl

Operation

To select the mode and to edit the settings:

1. Press the Select button to select pipetting mode, PIPET or MULTI.
2. Choose the operating mode using the up or down arrows. Confirm the selection by pressing the Enter button.
3. Choose the volume using the up or down arrows, and press the Select button to confirm. In some pipetting modes ,you have more options than volume, continue using the up or down arrows to change settings, and the Select button to confirm the selection.
4. First, choose the aspiration speed (speed in) using the up or down arrows, and confirm by pressing the Select button. Then choose the Dispensing speed (speed out) in the same way.
5. Confirm all changes by pressing the Enter button.
6. Start pipetting by pressing the Start button.

NOTE: To confirm changes, it is also possible to use the Enter button instead of the Select button, but then it is not possible to edit the speed settings.

To use the pipette with the selected mode:

1. Attach the pipette tip(s).
2. Press the Start button as many times as needed to complete the pipetting sequence until the liquid is dispensed.
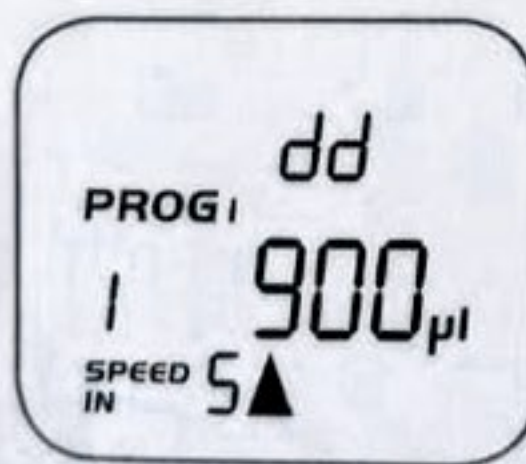3. Eject the tip by pressing one of the tip ejector buttons.

Memory places:

It is possible to store the operating mode, with the selected settings, to a memory place. eLINE® pipettes have total 6 places for users to save programs.
Saving a program to a memory place:

1. Program the pipette as instructed above.
2. Press the Enter and Select buttons simultaneously.
3. Choose a memory place using the up or down arrows.
4. Press the Enter button to confirm and save.

To use a pre-stored program:

1. Press the Select button until PROG is visible on the screen.
2. Choose the desired program using the up or down arrows.
3. Press the Enter button to confirm the selection.
4. Press the Start button to start pipetting.

PIPET P

1000 µl

SPEED IN 5 ▲

Select PIPET or MULTI

MULTI d

COUNT 8x 100 µl

SPEED OUT 6 ▼

Multi-dispensing

PROG ı dd

ı 900 µl

SPEED IN 5 ▲

Diluting using a stored programme