

# Minilab 201

Repeating Pipettor



## Quick Start Guide

Catalog Number:  
0020



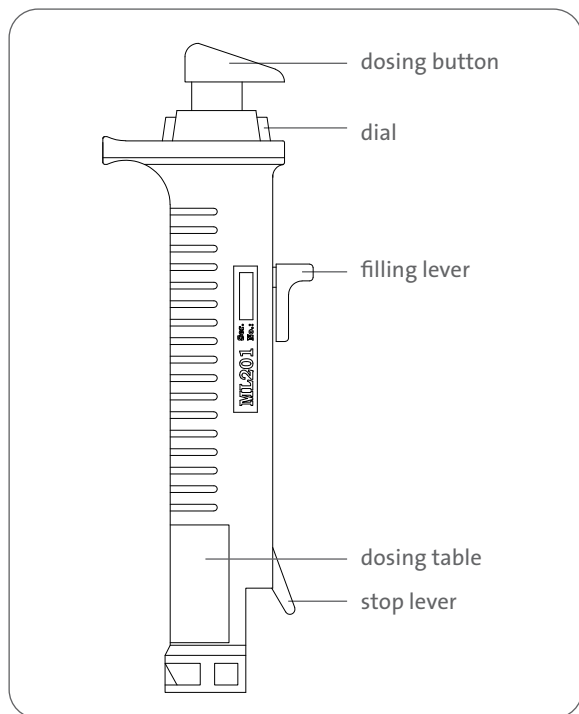
This quick guide is intended to provide a brief overview of the main features and operation of **Minilab 201**.

For detailed information, please refer to the User Manual that can be found at [www.htl.com.pl](http://www.htl.com.pl) in several languages.

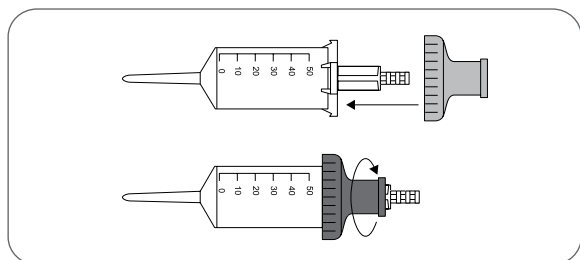
## Intended use

The repeating pipettor is a device intended for general laboratory use only, for pipetting liquid using disposable syringe tips. It can dispense volumes from 1  $\mu\text{L}$  to 5,000  $\mu\text{L}$  depending on the program number and syringe tips size chosen.

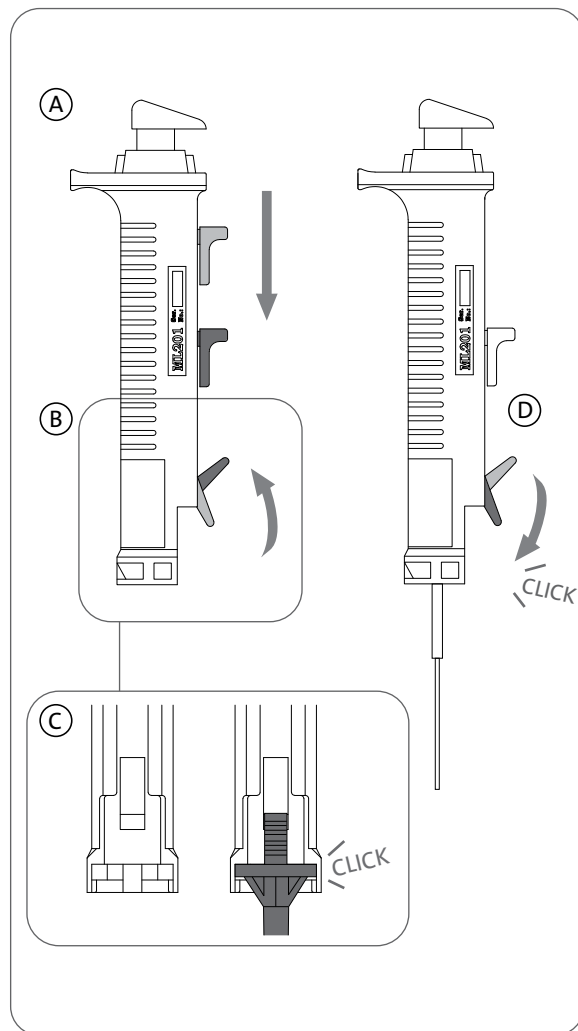
## Operating Elements



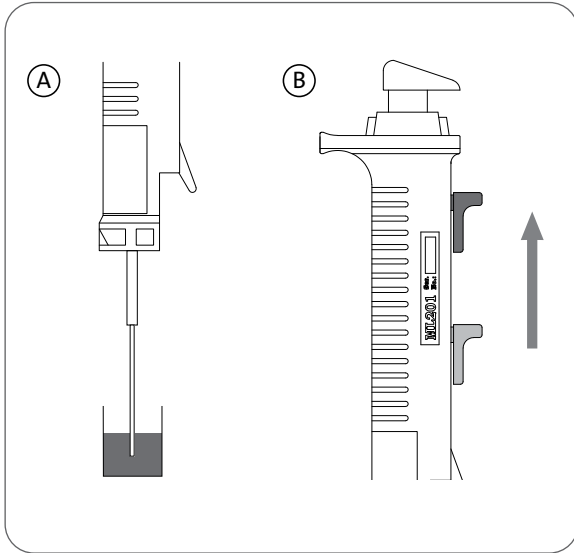
## Adapter (25 mL and 50 mL syringe tips only)



## Inserting the Syringe Tip



## Filling the Syringe Tip



## Volume Check

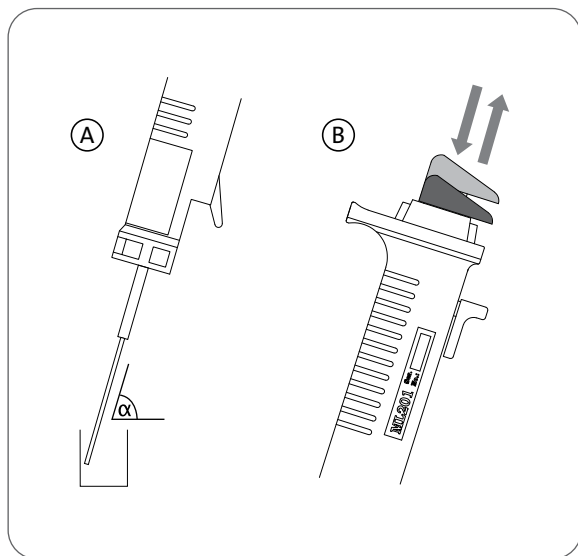
The diagram shows a cross-section of the syringe tip with a dial. Below it is a table with 'tip size' on the y-axis and 'dosing volume' on the right side. The table columns are 'NO', '1', '2', '3', '4', and '5', which correspond to 'program number'. The bottom row is labeled 'dispensing step'.

	program number				
	1	2	3	4	5
NO	1	2	3	4	5
0.05 mL	1 µL	2 µL	3 µL	4 µL	5 µL
0.10 mL	2 µL	4 µL	6 µL	8 µL	10 µL
0.20 mL	4 µL	8 µL	12 µL	16 µL	20 µL
0.50 mL	10 µL	20 µL	30 µL	40 µL	50 µL
1.00 mL	20 µL	40 µL	60 µL	80 µL	100 µL
1.25 mL	25 µL	50 µL	75 µL	100 µL	125 µL
2.50 mL	50 µL	100 µL	150 µL	200 µL	250 µL
5.00 mL	100 µL	200 µL	300 µL	400 µL	500 µL
10.00 mL	200 µL	400 µL	600 µL	800 µL	1,000 µL
12.50 mL	250 µL	500 µL	750 µL	1,000 µL	1,250 µL
25.00 mL	500 µL	1,000 µL	1,500 µL	2,000 µL	2,500 µL
50.00 mL	1,000 µL	2,000 µL	3,000 µL	4,000 µL	5,000 µL
STEPS	48	23	15	11	8

### Example:

Program number 1 (NO) dispenses exactly 100 µL in 48 dosing steps (STEP) when a 5 mL syringe tip is used.

## Dispensing



**NOTE:** The first and the last step must be discarded.

## Safety Notes

- The pipettor is designed for the transfer of liquids only using the syringe tip.
- Single-use syringe tips reduce the risk of contamination of samples.
- Keep the pipettor clean, avoiding the use of abrasive or corrosive cleaning agents (e.g., acetone).
- Keep the pipettor upright when there is liquid in the syringe tip.
- Only using the pipettor in accordance with the manufacturer's instructions ensures the correct pipettor parameters are maintained.
- Ambient operating temperature is +5°C to 45°C.
- Ambient storage conditions (in the original packaging during transport and short storage) is -25°C to 55°C.



- Follow general work safety regulations regarding hazards related to work in the laboratory.
- Take special care when pipetting aggressive substances.
- Use appropriate protective attire (e.g. clothing, goggles and gloves).
- Avoid pointing the pipettor at yourself or others during use.

## Cleaning

- External parts may be cleaned with a swab moistened with isopropyl alcohol.
- The 25 and 50 mL syringe tip adapters can be autoclaved at 121°C for 20 minutes.

## Warranty

The Minilab 201 repeating pipettor is covered by one (1) year limited warranty. For more information on the warranty limitations refer to full version of the User Manual available at [www.htl.com.pl](http://www.htl.com.pl).

For additional product or technical information, visit [www.htl.com.pl](http://www.htl.com.pl) or contact your local sales office.

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