

1-Channel Pipette

50 μ L, 1000 μ L

The Opentrons Flex 1-Channel Pipette is an electronic pipette designed for the Opentrons Flex liquid handling robot. This guide describes the pipette's features, including basic installation, maintenance, and warranty information.



Pipette Capacity

Flex 1-channel pipettes are available in 50 μ L and 1000 μ L sizes. The minimum/maximum volumetric capacities of each type are listed below.

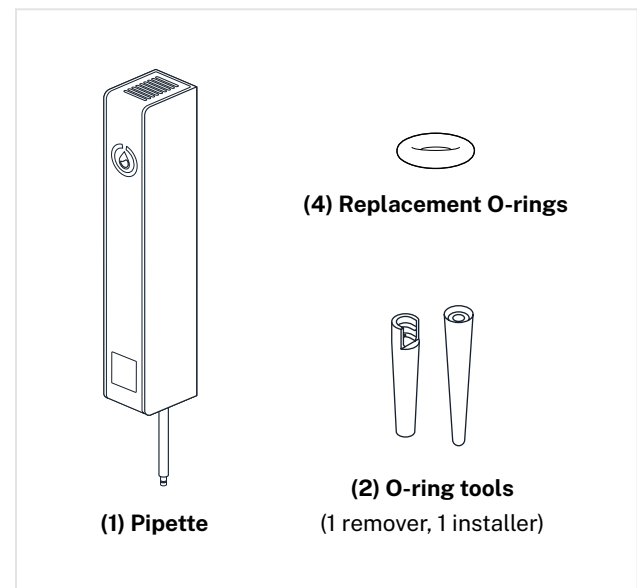
- 50 μ L pipette: 1–50 μ L
- 1000 μ L pipette: 5–1000 μ L

Tip Compatibility

Flex pipettes are optimized for use with Flex 50 μ L, 200 μ L, and 1000 μ L pipette tips. Flex pipettes *are not* recommended for use with Opentrons OT-2 pipette tips or tips from other manufacturers. For more information, see the System Description and Labware chapters in the Flex instruction manual.

You can buy Flex tips here: <https://shop.opentrons.com>.

Box Contents



Installation and Maintenance

Information about pipette installation and care.

ATTACH

Instructions on the touchscreen, or in the Opentrons App, will guide you through the attachment process. On the touchscreen, tap **Instruments** and then tap an empty mount. To attach your pipette:

1. Clear the deck area so it is free from obstructions. The gantry will move during the installation process.
2. Connect the pipette to the left or right mount on the gantry. To attach, align the mounting holes on the back of the pipette with the pins on the gantry.
3. Secure the pipette by tightening the two 2.5 mm mounting screws. These are captive screws recessed into holes located on the front of the pipette.

CALIBRATE

The pipette requires calibration before use. Instructions on the touchscreen, or in the Opentrons App, will guide you through the calibration process. To calibrate your pipette:

1. Clear the deck area so it is free from obstructions. The gantry and pipette will move during calibration.
2. Attach the calibration probe to the pipette and start the automated calibration procedure.
3. Remove and store the probe when calibration is complete. Your pipette is ready for use.

CLEAN

Clean the outside of the pipette with a soft cloth and isopropyl alcohol or ethyl alcohol. Do not use acetone or other aggressive solvents. For information about cleaning and decontamination, scan the QR code or search for “Flex pipette cleaning” on support.opentrons.com.



Warranty

All hardware purchased from Opentrons is covered under a 1-year standard warranty. Opentrons warrants to the end-user of the products that they will be free of manufacturing defects due to part quality issues or poor workmanship and also warrants that the products will materially conform to Opentrons' published specifications.

Support

Opentrons Support can help you with questions about our products and services. If you discover a defect, or believe your product is not functioning to published specifications, contact us at support@opentrons.com.

Please have the pipette's serial number available when contacting support. You can find the serial number on the back of the pipette or via the touchscreen (tap **Instruments** and tap the pipette name).



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