

## P SERIES VARIABLE VOLUME MICROPIPETTES

TOPLAB Variable Volume Micropipettes are product of intensive ergonomic and operational studies and the application of modern innovative materials. They are the perfect manual pipettes for demanding laboratory applications for scientists who prefer central pipetting buttons.

The Micropipettes provide all of the features required by users working in the life sciences field.

Robust, One-handed operation, Easy calibration institutions, completely auto clavable, high precision and Easy Calibration technique for lasting reliability.

### Features:

- Large central pipetting button and separate ejection function
- True one-handed operation for both right-and left-handers
- Completely autoclavable at 121°C(20 min) Volume-change protection
- 4-position volume display ,always clearly visible
- Easy Calibration technique-readjustment without special tools
- Changes from factory settings are clearly visible externally.
- Short stroke of only 12.5 mm to reduce the risk of RSI(Repetitive Strain Injury)
- Corrosion-resistant piston and ejector
- Color-coded for easy selection of the right tip CE-compliant



● One-handed operation



● Easy calibration institutions

### P Series Variable Volume Single Channel Micropipette ( 121°C autoclavable )

| Cat.No. | Part No. | Volume $\mu\text{l}$     | Increment $\mu\text{l}$ | A* $\leq \pm$ % | CV* $\leq$ % |
|---------|----------|--------------------------|-------------------------|-----------------|--------------|
| 8011179 | TP1H     | 0.1-1 $\mu\text{l}$      | 0.001 $\mu\text{l}$     | 2               | 1.2          |
| 8011180 | TP10H    | 0.5-10 $\mu\text{l}$     | 0.01 $\mu\text{l}$      | 1               | 0.5          |
| 8011181 | TP20H    | 2-20 $\mu\text{l}$       | 0.02 $\mu\text{l}$      | 0.8             | 0.4          |
| 8011187 | TP50H    | 5-50 $\mu\text{l}$       | 0.05 $\mu\text{l}$      | 0.6             | 0.2          |
| 8011182 | TP100H   | 10-100 $\mu\text{l}$     | 0.1 $\mu\text{l}$       | 0.6             | 0.2          |
| 8011183 | TP200H   | 20-200 $\mu\text{l}$     | 0.2 $\mu\text{l}$       | 0.6             | 0.2          |
| 8011184 | TP1000H  | 100-1000 $\mu\text{l}$   | 1 $\mu\text{l}$         | 0.6             | 0.2          |
| 8011185 | TP5000H  | 500-5000 $\mu\text{l}$   | 5 $\mu\text{l}$         | 0.6             | 0.2          |
| 8011186 | TP10000H | 1000-10000 $\mu\text{l}$ | 10 $\mu\text{l}$        | 0.6             | 0.2          |



4-position volume display



### Color-Code

Easy selection of the correct micropipette

### P Series Variable Volume Single Channel Micropipette ( Ejector 121°C autoclavable )

| Cat.No. | Part No. | Volume $\mu\text{l}$     | Increment $\mu\text{l}$ | A* $\leq \pm$ % | CV* $\leq$ % |
|---------|----------|--------------------------|-------------------------|-----------------|--------------|
| 8011189 | TP1      | 0.1-1 $\mu\text{l}$      | 0.001 $\mu\text{l}$     | 2               | 1.2          |
| 8011190 | TP10     | 0.5-10 $\mu\text{l}$     | 0.01 $\mu\text{l}$      | 1               | 0.5          |
| 8011191 | TP20     | 2-20 $\mu\text{l}$       | 0.02 $\mu\text{l}$      | 0.8             | 0.4          |
| 8011197 | TP50     | 5-50 $\mu\text{l}$       | 0.05 $\mu\text{l}$      | 0.6             | 0.2          |
| 8011192 | TP100    | 10-100 $\mu\text{l}$     | 0.1 $\mu\text{l}$       | 0.6             | 0.2          |
| 8011193 | TP200    | 20-200 $\mu\text{l}$     | 0.2 $\mu\text{l}$       | 0.6             | 0.2          |
| 8011194 | TP1000   | 100-1000 $\mu\text{l}$   | 1 $\mu\text{l}$         | 0.6             | 0.2          |
| 8011195 | TP5000   | 500-5000 $\mu\text{l}$   | 5 $\mu\text{l}$         | 0.6             | 0.2          |
| 8011196 | TP10000  | 1000-10000 $\mu\text{l}$ | 10 $\mu\text{l}$        | 0.6             | 0.2          |

Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20°C, and with smooth, steady operation. The error limits are within the limits of DIN EN ISO 8655-2. Conformity certified to DIN 12 600.A=Accuracy, CV=Coefficient of variation.

**Lightweight - Accurate - low force:**

The piston-operated Micropipettes provides maximum versatility and optimum quality over the entire volume range.  
There are 9 single channel pipettes in the 0.1µl to 10ml range in variable volume .



**Pipetting button**

The centrally mounted, large Pipetting button allows uniform smooth movement of the piston.

**volume adjustment**

True one-handed volume adjustment for right -and left -handed operators -even with gloves.

**Easy Calibration Technique**

Changes from factory settings are externally visible!

**Finger rest**

The ergonomically designed finger rest takes the load off the hand .  
You do not need to grip the pipette tightly , So even prolonged pipetting operations can be completed with less fatigue .

**Completely autoclavable**

The entire instrument can be autoclaved at 121°C (20min) for maximum protection against contamination.

**Slim pipette shaft**

The slim shaft allows pipetting into narrow vessels , without removing the tip ejector .

**Tip cone**

Due to the optimized standard design, other manufacturer's tips can be used .

**Volume-change protection**

A lock prevents unintended volume adjustments

**4-position volume display**

Maximum precision, always easy to read with an integrated lens

**Volume coded**  
Easy distinguish

A central pipetting button, the one-handed operation, precise 4-position volume settings and a volume display that can be easily read by both right- and left-handed operators are only a few examples of the attention to detail in the design of the TOPLAB'S Variable volume micropipette