

# NEXTPETTE

ACCURATE • RELIABLE • PRECISE

**ACCURIS**  
INSTRUMENTS



ADJUSTABLE VOLUME PIPETTES

# NEXTPETTE

Equipped With over 25 years of experience developing high precision liquid handling instruments, the Accuris engineering team was assigned the challenge of creating a next generation pipette. The new Accuris pipette would have to be the lightest and most ergonomic that we have ever introduced, without a hint of compromise in performance or durability. In addition, extensive market research indicated that researchers and technicians were looking for increased flexibility and a variety of convenience features.

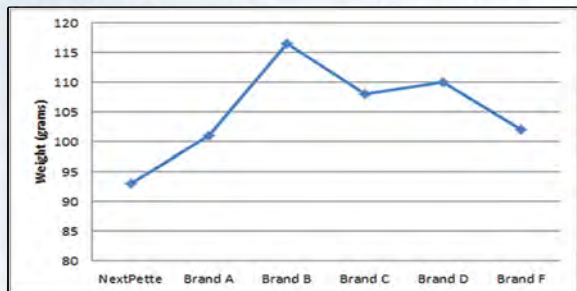
## Plunger Force

A busy researcher can have a pipettor in their hand for most of the day. Repetitive pipetting can be tiring and can lead to repetitive strain injury. The Accuris NextPette has been designed with light springs and smooth plunger movement, keeping pipetting and blow-out forces at an absolute minimum. This low plunger force, in combination with a light weight design and an ergonomic handle shape makes the NextPette ideal for use in high volume laboratories.



## Weight / Thermal Isolation

During the development of the NextPette, the overall weight of the instrument was a critical consideration. Plastic materials and component designs were chosen to minimize overall weight without compromising durability. The popular 0.5-10 $\mu$ l, 2-20 $\mu$ l and 20-200 $\mu$ l pipettes weigh well less than 100 grams. The NextPette is designed with a lightweight, yet virtually unbreakable outer housing that isolates heat from the critical internal aspirating components. This thermal isolation ensures accuracy and precision even when a pipettor is held in the hand for hours.



## One Handed Volume Adjustment

Traditional pipettors require 2 hands to adjust the volume which can be very inconvenient and leads to inefficient sample processing. The NextPette's volume adjustment wheel is ergonomically located at the base of the plunger button, and is easily reached and turned with the thumb. The large surface of the adjustment dial in combination with a smooth turning volume adjustment system allow for quick and effortless volume changes.



0.1 to 1 $\mu$ l

0.5 to 10 $\mu$ l

2 to 20 $\mu$ l

10 to 100 $\mu$ l

Ergonomic fit

Fully autoclavable & UV resistant

Universal tip compatibility



20 to 200µl

100 to 1000µl

1ml to 5ml

1ml to 10ml

rest

In-lab calibration (no tools required)

Volume adjustment lock

Volume identification

## Elliptically-Shaped Plunger Button

A unique feature of the NextPette is the elliptically shaped plunger button that can be turned and positioned per the user's preference. Studies show that most researchers prefer the thumb shaped setting as opposed to the more traditional round style.



## Stroke Distance

An ergonomic pipette requires consideration of many factors. One that is often overlooked is the stroke distance, which is the distance a plunger moves through both the aspiration and blow out steps. The NextPette has been designed with a stroke distance that is comfortable for all hand sizes, and still ensures accurate and precise pipetting.



## 4 Digit Volume Display

An adjustable volume pipettor needs an easy to read display for the user to see the set volume. The NextPette incorporates a 4-digit volume display with large easy-to-read numbers. In addition this volume display is positioned to be in clear view of the user when the pipettor is being adjusted by the thumb.



## Ordering Information & Technical Data:

Item No.	Description:	Inaccuracy:	Imprecision:	Tip Size:
P7700-1	NextPette™ variable volume pipette 0.1 to 1.0 µl	± 20 to 2%	± 12 to 1.2%	10 µl
P7700-10	NextPette™ variable volume pipette 0.5 to 10 µl	± 3.8 to 0.5%	± 4 to 0.5%	10 µl
P7700-20	NextPette™ variable volume pipette 2 to 20 µl	± 3 to 0.8%	± 3 to 0.8%	200 µl
P7700-100	NextPette™ variable volume pipette 10 to 100 µl	± 1.5 to 0.8%	± 1.5 to 0.8%	200 µl
P7700-200	NextPette™ variable volume pipette 20 to 200 µl	± 1.2 to 0.6%	± 1.0 to 0.6%	200 µl
P7700-1000	NextPette™ variable volume pipette 100 to 1000 µl	± 1.5 to 0.6%	± 1.0 to 0.6%	1000 µl
P7700-5M	NextPette™ variable volume pipette 0.5ml to 5ml	± 0.6 to 0.5%	± 0.6 to 0.5%	5 ml
P7700-10M	NextPette™ variable volume pipette 1ml to 10ml	± 2.5 to 0.5%	± 2.0 to 0.5%	10 ml
P7700-CAR	NextPette™ carousel stand, holds 6 NextPette Pipettes			

### Quality Control Certificate



Accuris Instruments utilizes a registered and certified Quality Management System for the design, development, manufacturing, sales and after-sales support of precision liquid handling products.

Each instrument produced is individually tested according to stringent validation and control procedures using gravimetric methods in accordance with EN ISO 8655.

Model/Cat #:	P7700-10	Volume tested (ul):	1.0	10.0
Serial Number:	NP401080006	Accuracy result (%):	0.7	0.2
Date:	11.10.13	Precision (%):	1.2	0.3
Tested by:	T.D.			
Status:	Passed			



P7700-CAR