

omniPETTE

Single and Multi-Channel
Pipettes



Ergonomic & lightweight omniPETTE offers precision liquid measurement and transfer at significant **budget-saving price points**



Gentaur Ltd.

Unicorn House, 2nd floor, Station Close,
Potters Bar, Hertfordshire, EN6 1TL, United Kingdom

E: uk@gentaur.com | T: 020 33 93 85 31 | W: www.gentaur.com

omniPETTE

Single and Multi-Channel Pipettes

Ergonomically designed OMNIPETTE pipettes combine a slim handle, high accuracy and precision rates and robust structure, at very competitive prices.

Constructed from durable PP/PVDF they are noticeably lighter in weight than many competitive models and so are more comfortable to hold and operate for extended periods - even in the smallest hand. This feature will also reduce the incidence of operator fatigue and Repetitive Strain Injury.

A continuously adjustable volumeter with digital readout allows simple and accurate dispensing. The robust construction along with the low thermal coefficient of the body of each pipette will prevent hand heat affecting sample measurements and reproducibility, even in prolonged usage.

Completely autoclavable

For sensitive laboratory applications, all omniPETTE models are fully autoclavable at 121°C/0.1 MPa/20 min. Unlike many other "autoclavable" pipettes, omniPETTE require minimal accuracy checks and/or recalibration

Using a series of height adapters, the tip ejector position on the shaft is adjustable to allow the pipette's use with virtually all brands of tips.

Eight models of single channel omniPETTE cover all volumes from 0.1µl up to 10ml. omniPETTE requires minimal maintenance. Its precise, self-locking stainless steel micrometer accurately adjusts the stroke of the polished, acid-resistant piston*.

Each pipette has its own unique serial number etched into the body and is supplied with its own individual certificate of calibration, as a guarantee of the unit's quality.

Single channel

omniPETTE's pipetting mechanism allows precise and effortless setting of pipette volume. Winding the counter from min to max volume can be performed rapidly with one hand.

Height adapters

Using a series of height adapters, the tip ejector position on the shaft is adjustable to allow the pipette's use with virtually all brands of tips.

Eight models of single channel omniPETTE cover all volumes from 0.1µl up to 10ml.



Multi channel

omniPETTE Multi-Channel Pipettes are available in 8 and 12 channel models. Four overlapping volume ranges are provided to precisely meet liquid handling requirements from 0.5 to 300µl. The performance of every pipette is checked by gravimetric method and the results of test are printed in pipette Quality Control Certificate.

For comfortable pipetting in any direction, the tip manifold rotates 360°.

Suspension system

Each model features a revolutionary suspension system which allows the shafts to move independently and so retract slightly when they are pressed against a row of pipette tips. This ensures that all tips are secured on their individual shaft with the minimum of effort - and never fall off! In addition, an innovative ejector bar is curved, allowing the tips to be pushed off in steps, therefore reducing the amount of force required for ejection.

Individual piston assembly

Each channel of the pipette has an individual, precision piston assembly to ensure accuracy and reproducibility from one pipetting series to the next, as well as between channels. The micrometer is continuously adjustable for selection of whole or fractional volumes.



COLOUR-CODED RINGS

AVAILABLE FOR
TECHNIQUE OR OWNER
IDENTIFICATION



REDESIGNED SOFT SPRING SYSTEM

REQUIRES MUCH LOWER
PRESSURES FOR PIPETTING



USER CALIBRATION TOOL

SUPPLIED WITH EVERY
PIPETTE

*Piston material

Stainless steel: Single Channel - CV2, CV10 & CV20; Multi Channel - CV8/12-10
PPS: all other models



FINGER-HOOK

TAKES THE WEIGHT, FOR A MORE RELAXED GRIP

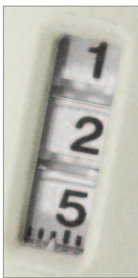
EASY-TURN

VOLUME ADJUSTMENT WHEEL



DIGITAL VOLUME DISPLAY

WITH LARGE EASY-TO-READ NUMBERS



PIPETTING BUTTON

LARGE, ROUNDED AND EASY ON THE THUMB; FREE ROTATION PREVENTS ACCIDENTAL VOLUME CHANGE

UV RESISTANT

CAN BE SAFELY STERILISED WITH UV RADIATION - EVEN PROLONGED EXPOSURE

LIGHT WEIGHT

LIGHTER THAN MANY SIMILAR MODELS

CONTOURED SHAPE

IS COMFORTABLE IN EITHER SMALL OR LARGE HANDS

HEIGHT ADJUSTABLE EJECTOR

TO ACCOMMODATE VIRTUALLY ALL BRANDS OF TIPS

PVDF SHAFT

ENSURES INCREASED CHEMICAL & MECHANICAL DURABILITY

CURVED EJECTOR BAR

REDUCES THE FORCE REQUIRED FOR EJECTION



EJECTOR BUTTON

LARGE SURFACE AREA OFFERS TWO COMFORTABLE HOLDING STYLES DEFINED BY USER PREFERENCE

Conventional holding style



Side holding style - pipette turned 90°



ROTATING MANIFOLD

PIPETTE AND EJECT IN ANY DIRECTION



optimised tip loading

- shafts withdraw when pressed against a row of tips
- each shaft moves independently
- even sealing force applied to all tips
 - no jamming of side tips
- safely sealed with lowest possible force
- tips can be ejected with minimum effort



omniPET

Motorised Pipettor

- Suitable for 0.5ml to 100ml pipettes
- Ergonomically shaped handle
- Sensitive valves for precise work with low volume pipettes low battery light indicator
- Protected by filter
- Autoclavable nosepiece
- Pipette holder charging stand

omniPET is a motorised powered pipette filler with LCD display designed for cordless work with 0.5-100ml glass or plastic pipettes. Its lightweight handle, together with smooth pushbuttons and switches ensure effortless pipetting even during extensive use.

Different operational modes may be selected depending on pipetting volume and viscosity of liquid. Liquid aspiration speeds can be adjusted to HIGH or LOW while dispensing can be by gravity (GRAV) or supported by the pump (BLOW) which empties the pipette with blow out. To protect the unit against overfilling, omniPET is equipped with a PTFE filter.

The powerful re-chargeable Ni-MH battery allows many hours of continuous work. The battery is protected against overcharging by timing and thermal systems. omniPET is supplied with a charging cable. A charging stand is available as an accessory.



TECHNICAL SPECIFICATIONS

AUTOCLAVABILITY	NOSEPIECE, PIPETTE HOLDER, FILTER
FILTER	HYDROPHOBIC PTFE 0.2µM
PIPETTE TYPES	GLASS OR PLASTIC 0.5-100ML

SINGLE CHANNEL PIPETTES

Cat. No.	Volume Range	Accuracy %	Coeff. Variation %	Cat. No.	Volume Range	Accuracy %	Coeff. Variation %
CV2	0.2 to 2µl	±12 to 1.5	±6.0 to 0.7	CV200	20 to 200µl	±1.2 to 0.6	±0.6 to 0.2
CV10	0.5 to 10µl	±4.0 to 0.5	±2.8 to 0.4	CV1000	100 to 1000µl	±1.6 to 0.6	±0.4 to 0.15
CV20	2 to 20µl	±3.0 to 0.8	±1.5 to 0.3	CV5000	1 to 5ml	±0.6 to 0.5	±0.25 to 0.15
CV100	10 to 100µl	±1.6 to 0.8	±0.8 to 0.2	CV10000	1 to 10ml	±2.5 to 0.5	±0.6 to 0.2
Cat. No.	Description	Cat. No.	Description				
CV-4POS	Pipette Stand, 4-position	CV-RS	Rotating Pipette Stand, 6-position				

MULTI CHANNEL PIPETTES

Cat. No.	Channels	Volume Range	Accuracy %	Coeff. Variation %	Cat. No.	Channels	Volume Range	Accuracy %	Coeff. Variation %
CV8-10	8	0.5 to 10µl	±10.0 to 2.0	±8.0 to 1.2	CV12-10	12	0.5 to 10µl	±10.0 to 2.0	±8.0 to 1.2
CV8-50	8	5 to 50µl	±4.0 to 1.6	±2.5 to 0.6	CV12-50	12	5 to 50µl	±4.0 to 1.6	±2.5 to 0.6
CV8-200	8	20 to 200µl	±3.0 to 1.0	±1.5 to 0.6	CV12-200	12	20 to 200µl	±3.0 to 1.0	±1.5 to 0.6
CV8-300	8	50 to 300µl	±1.6 to 1.0	±1.5 to 0.6	CV12-300	12	50 to 300µl	±1.6 to 1.0	±1.5 to 0.6
Cat. No.	Description								
CV-MS	Pipette Stand, 3-position								

MOTORISED PIPETTOR

OMNIPET	omniPET motorised powered pipette filler	OMNIPET-CS	Charging Stand for Omnipet
---------	--	------------	----------------------------

Gentaur Molecular Products BVBA
Address: Voortstraat 49, 1910 Kampenhout, Belgium
T: 0032 16 58 90 45 | **E:** info@gentaur.com
Websites: www.gentaur.com | www.maxanim.com