



sartorius

# Picus Electronic Pipette



turning science **into solutions**

# Picus Electronic Pipettes. The Most Sophisticated and Ergonomic Pipette Ever!

Picus, the winner of the Red Dot design award and the Fennia Prize Honorary Mention in 2012, is Sartorius' newest, and most ergonomic, pipette in the Biohit *family*. Designed to revolutionise pipetting, it is the lightest electronic pipette on the market. This enables it to ease the user's workload and provides protection from repetitive strain injury (RSI). Its new generation technology, electronic brake and piston control system guarantee accurate and precise pipetting results. By guiding pipetting steps, the unique plate tracker increases reliability in microwell plate work. Picus is available in single-channel models, covering a volume range of 0.2-10 000  $\mu\text{l}$  and in multichannel models from 0.2  $\mu\text{l}$  to 1200  $\mu\text{l}$ .



reddot design award  
winner 2012



|| Picus is amazingly ergonomic  
and really easy to program





## Enjoy Pipetting

Our lightest and smallest electronic pipette protects you from RSI (repetitive strain injury) and eases your workload in long pipetting series.

The new ergonomic design ensures an optimal working posture and comfortable pipetting.

The effortless, electronic tip ejection saves your hand from strain.

## Achieve Reliable Results

New generation technology – the electronic brake and piston control system – guarantee accurate and precise pipetting results.

A unique plate tracker increases reliability in microwell plate work, by guiding pipetting steps.

Fully electronic operation guarantees user-independent results.

## Learn to Use it in a Minute!

Intuitive user interface – learn the main functions easily without a manual.

Learn the main functions easily without a manual. Fastest volume setting and easy menu navigation with unique adjustment wheel.

Hot key – quick access to your favourite programs, easing routine and repetitive work



It's hard to understand that any electronic device can be this light (only 100 g)

## Technical Features

- Calibration adjustment in 1, 2 or 3 points
- Information for service and calibration intervals
- Autoclavable lower parts (excl. 1200 µl models)
- Charging in charging stand or with micro USB cable
- Possible to continue working with USB charging on
- Li-Polymer battery enables charging time of approx. 1 hour

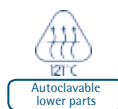
### Intuitive User-interface

Available in five language versions: English, Chinese, French, German and Russian



### Ergonomics

- Extremely small and light electronic pipette (only 100 g)
- Comfortable handle design and finger hook
- Unique electronic tip ejection
- Together with our highly regarded Pipetting Academy training programme, Picus will help you to improve your health and safety in the lab



### Autoclavable Lower Parts

(except for 1200 µl multi-channel lower parts)



### Optiload for Perfect Tip Sealing

- Allows tip loading with an equal constant force to every channel
- Enables perfect tip sealing to every individual tip cone

### Safe-Cone Filters

in all models > 10 µl to prevent contamination



# Features and Benefits

Soft Keys for Programming

Operating Button

Hot Key for Fast Access to up to 10 Saved Programs

Unique Electronic Tip Ejection

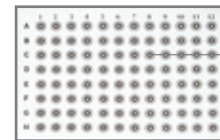


## Adjustment Wheel

- Offers extremely fast volume setting and easy menu navigation
- Enables ergonomic one-handed operation
- Controls accurately manual pipetting and titrating speed with just a light touch of the thumb

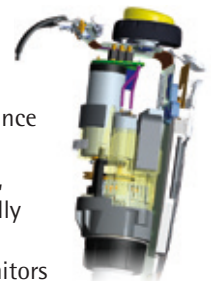
## Microwell Plate Tracker

- Unique built-in tracker for 96 and 384 well plates guides the user to pipette into the correct wells
- Improves work efficiency and reliability of results
- Tracker is an optional feature used in conjunction with Pipetting, Reverse Pipetting and Multi Dispensing modes



## New Generation Technology

- Enhanced DC-motor concept takes Picus a step beyond existing technological solutions, providing outstanding performance
- Electronic brake stops piston movement rapidly and precisely, ensuring high precision, especially in serial dispensing
- Optical sensor controls and monitors piston movement in real time, ensuring unbeatable accuracy and reliability



# Pipetting Modes

Main Mode-  
Available in All Picus Models

Additional Functions - to be Used in Conjunction with the Main Mode

	Tracker	Mixing	Counter	Excess Volume Adjustment	Auto Dispensing
Pipetting	✓	✓	✓		
Reverse Pipetting	✓		✓	✓	
Manual Pipetting	✓				
Multi Dispensing	✓			✓	✓
Diluting	✓	✓			
Sequential Dispensing	✓			✓	
Multi Aspiration	✓				
Titrate	✓				



Charging Stand



Charging Carousel



Linear Stand

## Picus Charging Options

- 1-Place Charging Stand
- 4-Place Charging Carousel
- USB cable

Picus electronic pipettes can be charged with a 1-place charging stand, a 4-place charging carousel or a direct charging USB cable. The variety of charging options has been designed for optimal utility.

It is possible to continue pipetting while the Picus is being charged, using a USB cable. The compact design of the 4-pipette charging carousel is ideal for saving bench space in the laboratory. The 4-place rotating head provides easy access to the desired unit.

## Ordering Information

Pipette Stands

Cat. No.	Item
730981	Charging Stand for one pipette
730991	Charging Carousel for 4 pipettes
725620	Linear Stand (non-charging)

Charging stands include universal AC-adaptor (EU, UK, US | JPN and CHN plugs)

# Ordering Information

## Picus

Cat. No.	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Inacc. (%)	Impr. (%)	Safe-Cone Standard	Filters Plus	Optifit Tips (µl)	SafetySpace™ Filter Tips (µl)
735021	1	● 0.2-10	0.01	10	0.90	0.40	-	-	10	10
				5	1.00	0.70				
				1	2.50	1.50				
735041	1	● 5-120	0.10	120	0.40	0.15	721008	721018	200 350	120
				60	0.60	0.20				
				12	2.00	1.00				
735061	1	● 10-300	0.20	300	0.40	0.15	721007	721017	350	300
				150	0.60	0.20				
				30	1.50	0.80				
735081	1	● 50-1000	1.00	1000	0.40	0.15	721006	721016	1000	1000
				500	0.60	0.20				
				100	1.50	0.50				
735101	1	● 100-5000	5.00	5000	0.50	0.15	721005	721015	5000	-
				2500	0.80	0.20				
				500	1.00	0.40				
735111	1	● 500-10000	10.00	10000	0.60	0.20	721005	721015	10000	-
				5000	1.20	0.30				
				1000	3.00	0.60				
735321	8	● 0.2-10	0.01	10	0.90	0.50	-	-	10	10
				5	1.50	0.80				
				1	4.00	3.00				
735341	8	● 5-120	0.10	120	0.50	0.20	721008	721018	200 350	120
				60	0.70	0.30				
				12	2.00	1.50				
735361	8	● 10-300	0.20	300	0.50	0.20	721007	721017	350	300
				150	0.70	0.30				
				30	2.00	1.00				
735391	8	● 50-1200	1.00	1200	0.50	0.20	721006	721016	1200	1200
				600	1.00	0.30				
				120	2.50	1.00				
735421	12	● 0.2-10	0.01	10	0.90	0.50	-	-	10	10
				5	1.50	0.80				
				1	4.00	3.00				
735441	12	● 5-120	0.10	120	0.50	0.20	721008	721018	200 350	120
				60	0.70	0.30				
				12	2.00	1.50				
735461	12	● 10-300	0.20	300	0.50	0.20	721007	721017	350	300
				150	0.70	0.30				
				30	2.00	1.00				
735491	12	● 50-1200	1.00	1200	0.50	0.20	721006	721016	1200	1200
				600	1.00	0.30				
				120	2.50	1.00				

All pipettes include universal AC-adaptor (EU, UK, US | JPN, AUS and CHN plugs)

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