

# Andrew Alliance Bluetooth Electronic Pipette



**Better Pipetting:** Better Data, Better Science.

## Andrew Alliance Bluetooth Electronic Pipettes. Based on the Sartorius Picus Pipette, The Most Sophisticated and Ergonomic Pipette Ever!

Why settle for anything less than the best? This was the underlying rationale behind Andrew Alliance's decision to partner with Sartorius, who added Bluetooth capability to their market leading Picus Pipette. This added one further amazing benefit to this first-in-class pipette - it can now connect with OneLab, Andrew Alliance's highly intuitive cloud-native software. These pipettes are compatible with the Andrew Alliance Pipette+ guided pipetting system and Andrew+ pipetting robot.



reddot design award  
winner 2012



fenniaprize 12  
good design grows global  
HONORARY MENTION

// Picus is amazingly ergonomic  
and really easy to program



### Compatible with OneLab

The great thing about the Andrew Alliance Bluetooth Electronic Pipette is that you can both enjoy the numerous benefits of the market leading Picus design, listed below, or use it as part of the award-winning Andrew Alliance Pipette+ system, and award-winning Andrew+ pipetting robot.

Pipette+ enables the pipettes to be remotely programmed by OneLab in « just-one-click », while recording every step of an executed protocol, including the last time the pipette was calibrated!

### Enjoy Pipetting

This is the lightest and smallest pipette produced by Sartorius, protecting users 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.

Fastest volume setting and easy menu navigation with unique adjustment wheel.

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

# Features and Benefits



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
- Bluetooth capable, enabling wireless two-way communication with Andrew Alliance OneLab software either via the cloud or on a standalone server



### Ergonomics

- Extremely small and light electronic pipette (only 100 g)
- Comfortable handle design and finger hook
- Unique electronic tip ejection
- Together with the Sartorius 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

Soft Keys for Programming

Operating Button

Unique Electronic Tip Ejection

Hot Key for Fast Access to up to 10 Saved Programs

### 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

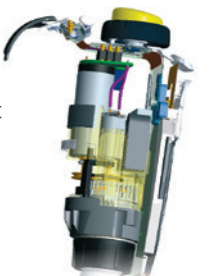
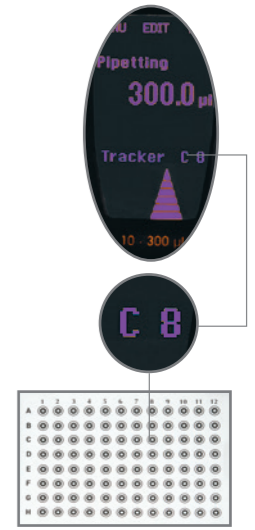
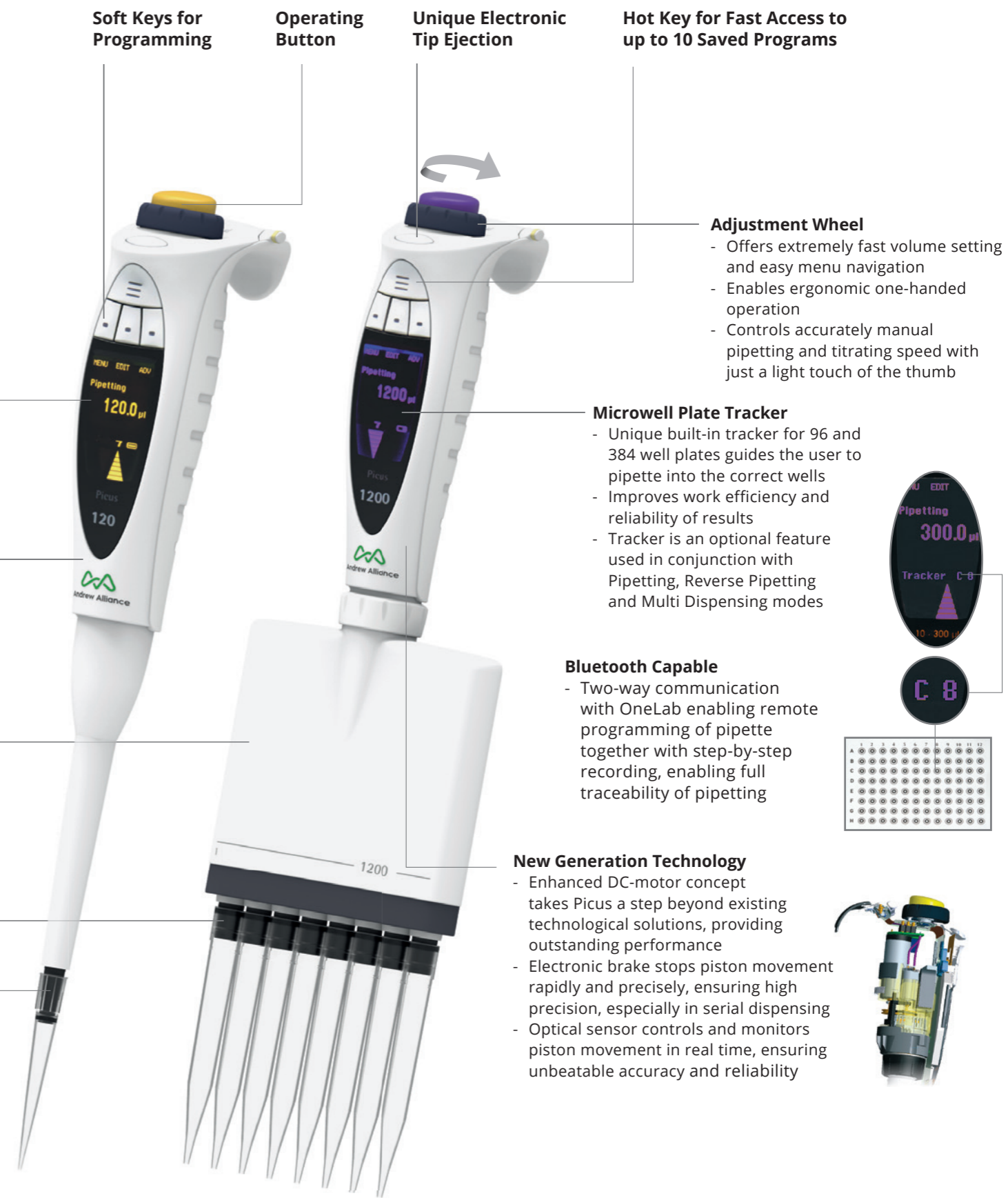
- Unique built-in tracker for 96 and 384 well plates guides the user to pipette into the correct wells
- Improves work efficiency and reliability of results
- Tracker is an optional feature used in conjunction with Pipetting, Reverse Pipetting and Multi Dispensing modes

### Bluetooth Capable

- Two-way communication with OneLab enabling remote programming of pipette together with step-by-step recording, enabling full traceability of pipetting

### 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 Pipette 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



### Smart Stand combines charging and communication

- 4-Place Andrew Alliance Bluetooth Electric Pipette Charging Stand
- USB cable

Andrew Alliance Bluetooth Electronic Pipettes can be charged with a 4-place charging stand 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 Andrew Alliance Bluetooth Electronic Pipette is being charged, using a USB cable. The compact design of the 4-pipette Andrew Alliance Bluetooth Electric Pipette Charging Stand is ideal for saving bench space in the laboratory.

## Ordering Information

### Pipette Stand

Order No.	Item
618.8000	Andrew Alliance Bluetooth Electronic Pipette Charging Stand
718.4001	Single Channel Pipette Adapter
728.4101	Multi-channel Pipette Adapter

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

## Ordering Information

### Andrew Alliance Bluetooth Electronic Pipettes

The pipettes should be ordered directly from Andrew Alliance, using the Andrew Alliance Cat. Nos. provided in this table, by completed the web form at [www.andrewalliance.com/request-for-quote](http://www.andrewalliance.com/request-for-quote), or by contacting your local Andrew Alliance Sales Representative.

Safe-Cone filters, optifit Tips and SafetySpace(tm) Filter Tips should all be ordered from Sartorius at [www.sartorius.com](http://www.sartorius.com) using the Sartorius Cat. Nos. provided in this table.

Cat. No.	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	System. Error (%)	Random Error (%)	Safe-Cone Filters Standard Plus	Optifit Tips* (µl)	Safety Space™ Filter Tips* (µl)	
LH735.021AA	1	0,2-10	0,01	10 5 1	0,90 1,00 2,50	0,40 0,70 1,50	-	-	10	10
LH735.041AA	1	5-120	0,10	120 60 12	0,40 0,60 2,00	0,15 0,20 1,00	721008	721018	200 350	120
LH735.061AA	1	10-300	0,20	300 150 30	0,40 0,60 1,50	0,15 0,20 0,80	721007	721017	350	300
LH735.081AA	1	50-1000	1,00	1000 500 100	0,40 0,60 1,50	0,15 0,20 0,50	721006	721016	1000	1000
LH735.101AA	1	100-5000	5,00	5000 2500 500	0,50 0,80 1,00	0,15 0,20 0,40	721005	721015	5000	-
LH735.111AA	1	500-10000	10,00	10000 5000 1000	0,60 1,20 3,00	0,20 0,30 0,60	721005	721015	10000	-
LH735.321AA	8	0,2-10	0,01	10 5 1	0,90 1,50 4,00	0,50 0,80 3,00	-	-	10	10
LH735.341AA	8	5-120	0,10	120 60 12	0,50 0,70 2,00	0,20 0,30 1,50	721008	721018	200 350	120
LH735.361AA	8	10-300	0,20	300 150 30	0,50 0,70 2,00	0,20 0,30 1,00	721007	721017	350	300
LH735.391AA	8	50-1200	1,00	1200 600 120	0,50 1,00 2,50	0,20 0,30 1,00	721006	721016	1200	1200
LH735.421AA	12	0,2-10	0,01	10 5 1	0,90 1,50 4,00	0,50 0,80 3,00	-	-	10	10
LH735.441AA	12	5-120	0,10	120 60 12	0,50 0,70 2,00	0,20 0,30 1,50	721008	721018	200 350	120
LH735.461AA	12	10-300	0,20	300 150 30	0,50 0,70 2,00	0,20 0,30 1,00	721007	721017	350	300
LH735.391AA	12	50-1200	1,00	1200 600 120	0,50 1,00 2,50	0,20 0,30 1,00	721006	721016	1200	1200

\* Low Retention Tips are available in volumes up to 1200 µl  
All pipettes include universal AC-adaptor (EU, UK, US | JPN, AUS and CHN plugs)

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