

8.0 pipet4u pipets



General Information

An incredible combination of accuracy, precision and value

High Comfort, Comfortable and Low Effort Pipetting

The new design with soft grip allows you to use less force while pipetting with **pipet4u** and reduces the risk of repetitive strain injuries (RSI). Setting the volume is easy and absolute precise using the push button, even when wearing gloves. Ergonomic finger support, clear and easy-to-read display with large numbers and small increments are further features. Optimal easy tip loading and safe tip ejector allows convenient one-hand operation with minimum user effort.

Maximum Precision and Accuracy

Safe counter mechanism preventing accidental volume changes during pipetting. A new innovative thermal insulation of the internal components, through the innovative, ergonomic soft grip, improves accuracy. In addition, the design and construction of **pipet4u** and the choice of manufacturing materials are such that any heat transmitted from the user's hand to the Micropipettes during use will not affect performance.

Universal Blow Out System

Two step plunger operation of **pipet4u** allows the use of the "reverse pipetting technique" when pipetting from the same tip, and also when handling detergent solutions. This also facilitates last drop dispensing by soft plunger movements. High accuracy and precision are guaranteed.

Easy Maintenance and Adjustment

Prevention is the best cure. With proper care, your **pipet4u** will ensure the highest level of precision and accuracy, year after year. It is easily disassembled and cleaned right in your own laboratory. Easy to adjust or calibrate with one tool. Now maintenance and adjustment take only a few minutes. The design and the universal tool are a perfect pair for easy and secure adjustment in your lab.

Satisfaction Guaranteed

pipet4u Micropipettes are manufactured under strict quality control and GMP standards. Each pipette is individually tested and calibrated conforming to EN ISO 8655 and DIN 12650 standards. The conformity of the pipettes is controlled by the Thuringian State Office of Verification (Landeseichdirektion Thüringen) and documented through the official German H-sign on each pipette according to DIN 12600. The standards used for the measurements are traceable to the national standards of the Federal Republic of Germany at the Physikalisch-Technische Bundesanstalt (PTB).

Also available as private label or OEM products with your trademark and your logo.
Build up your own product line of high quality pipettors !!!

8.1 pipet4u

Digital SC Micropipettors

Fully autoclavable single channel pipettors with variable volumes



High Comfort

Comfortable and Low Effort Pipetting reduces the risk of repetitive strain injuries (RSI). Setting the volume is easy and absolute precise using the push button, even when wearing gloves

Maximum Precision and Accuracy

Safe counter mechanism preventing accidental volume changes during pipetting. A thermal insulation of the internal components, through the innovative, ergonomic soft grip, improves accuracy.

Universal Blow Out System

Two step plunger operation allows the use of the "reverse pipetting technique". This also facilitates last drop dispensing by soft plunger movements. High accuracy and precision are guaranteed.

Easy Maintenance and Adjustment

Easy to adjust, with one tool. Maintenance and adjustment take only a few minutes. The design and the universal tool are a perfect pair for easy and secure adjustment.

Satisfaction Guaranteed

Each pipette is individually tested and twice calibrated conforming to EN ISO 8655 and DIN 12650 Standards.

An Incredible Combination of Accuracy, Precision and Value

Specification	According to
International Organisation for Standardisation	ISO Standard 8655, part 1-6
European Committee for Standardisation	CEN EN ISO 8655
CE-marking as IVD certificate registration no.	EU-Directive 98/79/EG, DE/CA90/IVD-22
German Institute for Standardisation	DIN 12950
RoHS Compliance certificate	EU Directive 2002/95/EC
General safety requirements	In accordance with IEC 61010-1
Electromagnetic compatibility requirements	In accordance with IEC 61326-1
Marking and layout	In accordance with IEC 60073
Conformity testing	In accordance with DIN 12600 (H-sign)
Environmental management certificate	ISO Standard 14000 and ISO Standard 14001
USP-Plastic Test, Class VI, certificate	ISO Standard 10993
GMP/GLP certificate	WHO Technical Report Series 908, 37. Report, Geneva 2003

The standards used for the measurements are traceable to the national standards of the Federal Republic of Germany at the Physikalisch-Technische Bundesanstalt (PTB).

8.1 pipet4u



Digital SC Micropipettors

Fully autoclavable single channel pipettors with variable volumes

Principle of Operation:

The tip is attached to the piston pipette. With the piston at the lower aspiration limit, the tip is dipped into the liquid to be dispensed as a measured volume. When moved to the upper aspiration limit, the piston aspirates the liquid. The liquid to be dispensed is then expelled by depressing or sliding the piston between the volume-defining limits. The pistons have a body of air contained between the piston and the surface of the liquid (air displacement). AHN pipet4u Micropipettes have an extra air volume which can be used to expel the last drop of liquid.

CE-Marking Adjustment

pipet4u Micropipettes are CE-marked as IVD and adjusted for the delivery (Ex) of its nominal volume (or selected volume, in the case of a variable-volume model), for the standard reference temperature of 20°C, a relative air humidity of 50 % and a barometric pressure of 101 kPa (1,01 bar), using grade 3 water as defined in ISO 3696.

Autoclavability

pipet4u Micropipettes can be autoclaved using the following specifications:

Temperature	120° Celsius / 250° Fahrenheit
Pressure:	1,05 bar / 15 psig (Pounds)
Time:	15 minutes or less

Note: Excessive heat and/or time in the autoclave can cause warping! After each sterilisation users should establish a regular testing routine (see ISO 8655) for their pipettes using either ISO 8655-6 or alternative test methods. Gas sterilization with ethylene oxide, formaldehyde is possible. We recommend allowing an appropriate aeration time suited to the particular application before reusing the item. Chemical disinfectants which are commonly-used (quaternary ammonium compounds, iodophors, formalin, benzalkonium chloride, ethanol etc.) can be used without problems. After each sterilisation users should establish a regular testing routine (see ISO 8655) for their pipettes using either ISO 8655-6 or alternative test methods.

pipet4u Digital SC Micropipettes with variable volumes specification:

Cat.no.	Vol. range µl	Increments µl	Test Volume µl	% Inaccuracy	% Imprecision
8-100-00-9	0.1 – 2.5	0.05	0.25 / 1.25 / 2.5	12.0 / 3.0 / 2.5	6.0 / 3.0 / 2.0
8-101-00-9	0.5 – 10	0.1	1 / 5 / 10	2.5 / 1.5 / 1.0	1.5 / 0.8 / 0.4
8-102-00-9	2 – 20	0.5	2 / 10 / 20	2.5 / 1.2 / 1.0	1.5 / 0.6 / 0.3
8-103-00-9	5 - 50	0.5	5 / 25 / 50	2.0 / 1.2 / 1.0	1.5 / 0.8 / 0.3
8-104-00-9	10 - 100	1	10 / 50 / 100	2.0 / 1.0 / 0.8	1.5 / 0.3 / 0.2
8-105-00-9	20 - 200	1	20 / 100 / 200	2.5 / 1.0 / 0.6	0.7 / 0.3 / 0.2
8-105-01-9	50 - 200	1	50 / 100 / 200	1.0 / 1.0 / 0.6	0.4 / 0.3 / 0.2
8-106-00-9	100 - 1000	5	100 / 500 / 1000	2.0 / 0.9 / 0.6	0.6 / 0.2 / 0.2
8-106-01-9	200 - 1000	5	200 / 500 / 1000	0.9 / 0.9 / 0.6	0.3 / 0.2 / 0.2
8-107-00-9	500 - 5000	50	500 / 2500 / 5000	1.9 / 1.0 / 0.6	0,7 / 0,3 / 0,2
8-108-00-9	1000-10000	100	1000/5000/10000	3.0 / 1.2 / 0.6	0.6 / 0.3 / 0.2

pipet4u racks for micropipettes:

Cat.no.	Description	Sterile	Colour	Pack type	Pack size	Sales unit
8-130-00-9	Rack for 4 micropipettes	non	white	carton	1	1 x 1
8-131-00-9	Rack for 6 micropipettes	non	white	carton	1	1 x 1

8.2 pipet4u

Digital-SC Micropipettors

Fully autoclavable single channel pipettors with fixed volumes



High Comfort

Comfortable and Low Effort Pipetting reduces the risk of repetitive strain injuries (RSI). Setting the volume is easy and absolute precise using the push button, even when wearing gloves

Maximum Precision and Accuracy

Fixed volume pipettes have a safe factory-preset to deliver a given volume for high accuracy and precision. A thermal insulation of the internal components, through the innovative, ergonomic soft grip, improves accuracy.

Universal Blow Out System

Two step plunger operation allows the use of the “reverse pipetting technique”. This also facilitates last drop dispensing by soft plunger movements. High accuracy and precision are guaranteed.

Easy Maintenance and Adjustment

Easy to adjust, with one tool. Maintenance and adjustment take only a few minutes. The design and the universal tool are a perfect pair for easy and secure adjustment.

Satisfaction Guaranteed

Each pipette is individually tested and twice calibrated conforming to EN ISO 8655 and DIN 12650 Standards.

An Incredible Combination of Accuracy, Precision and Value

Specification	According to
International Organisation for Standardisation	ISO Standard 8655, part 1-6
European Committee for Standardisation	CEN EN ISO 8655
CE-marking as IVD certificate registration no.	EU-Directive 98/79/EG, DE/CA90/IVD-22
German Institute for Standardisation	DIN 12950
RoHS Compliance certificate	EU Directive 2002/95/EC
General safety requirements	In accordance with IEC 61010-1
Electromagnetic compatibility requirements	In accordance with IEC 61326-1
Marking and layout	In accordance with IEC 60073
Conformity testing	In accordance with DIN 12600 (H-sign)
Environmental management certificate	ISO Standard 14000 and ISO Standard 14001
USP-Plastic Test, Class VI, certificate	ISO Standard 10993
GMP/GLP certificate	WHO Technical Report Series 908, 37. Report, Geneva 2003

The standards used for the measurements are traceable to the national standards of the Federal Republic of Germany at the Physikalisch-Technische Bundesanstalt (PTB).

8.2 pipet4u



Digital-SC Micropipettors

Fully autoclavable single channel pipettors with fixed volumes

Principle of Operation

The tip is attached to the piston pipette. With the piston at the lower aspiration limit, the tip is dipped into the liquid to be dispensed as a measured volume. When moved to the upper aspiration limit, the piston aspirates the liquid. The liquid to be dispensed is then expelled by depressing or sliding the piston between the volume-defining limits. The pistons have a body of air contained between the piston and the surface of the liquid (air displacement). AHN pipet4u Micropipettes have an extra air volume which can be used to expel the last drop of liquid.

CE-Marking Adjustment

pipet4u Micropipettes are CE-marked and adjusted for the delivery (Ex) of its nominal volume (or selected volume, in the case of a variable-volume model), for the standard reference temperature of 20°C, a relative air humidity of 50 % and a barometric pressure of 101 kPa (1,01 bar), using grade 3 water as defined in ISO 3696.

Autoclavability

pipet4u Micropipettes can be autoclaved using the following specifications:

Temperature	120°Celsius / 250° Fahrenheit
Pressure:	1,05 bar / 15 psig (Pounds)
Time:	15 minutes or less

Note: Excessive heat and/or time in the autoclave can cause warping! After each sterilisation users should establish a regular testing routine (see ISO 8655) for their pipettes using either ISO 8655-6 or alternative test methods. Gas sterilization with ethylene oxide, formaldehyde is possible. We recommend allowing an appropriate aeration time suited to the particular application before reusing the item. Chemical disinfectants which are commonly-used (quaternary ammonium compounds, iodophors, formalin, benzalkonium chloride, ethanol etc.) can be used without problems. After each sterilisation users should establish a regular testing routine (see ISO 8655) for their pipettes using either ISO 8655-6 or alternative test methods.

pipet4u Digital-SC Micropipettes with fixed volumes specification:

Cat.no.	Vol. range µl	Increments µl	Te st volume µl	% Inaccuracy	% Imprecision
8-001-00-9	5	---	5	1.3	1.1
8-002-00-9	10	---	10	0.8	0.6
8-003-00-9	20	---	20	0.6	0.3
8-004-00-9	25	---	25	0.6	0.3
8-007-00-9	50	---	50	0.6	0.3
8-008-00-9	100	---	100	0.5	0.2
8-009-00-9	200	---	200	0.5	0.2
8-010-00-9	250	---	250	0.5	0.2
8-011-00-9	500	---	500	0.5	0.2
8-012-00-9	1000	---	1000	0.5	0.2
8-013-00-9	2000	---	2000	0.5	0.2
8-014-00-9	2500	---	2500	0.5	0.2
8-015-00-9	5000	---	5000	0.5	0.2
8-016-00-9	10000	---	10000	0.4	0.2

pipet4u racks for micropipettes:

Cat.no.	Description	Sterile	Colour	Pack type	Pack size	Sales unit
8-130-00-9	Rack for 4 micropipettes	non	white	carton	1	1 x 1
8-131-00-9	Rack for 6 micropipettes	non	white	carton	1	1 x 1

8.3 pipet4u

Digital-MC Micropipettors

Fully autoclavable multi-channel pipettors with variable volumes



Unique and Universal Use

Long series in columns and rows that is the area in which pipet4u multi-channel pipettors is becoming an ever-increasing force. The pipettor can be operated with one hand only. This new high-quality 8-channel pipettor is an effective, precise and rapid way of processing long series for a whole spectrum of different applications.

High Comfort

Setting the volume is easy and absolute precise using the push button, even when wearing gloves

Maximum Precision and Accuracy

Safe counter mechanism preventing accidental volume changes during pipetting.

Universal Blow Out System

Two step plunger operation allows the use of the “reverse pipetting technique”. This also facilitates last drop dispensing by soft plunger movements.

Easy Maintenance and Adjustment

Easy to adjust, with one tool. Maintenance and adjustment take only a few minutes.

Satisfaction Guaranteed

Each pipette is individually tested and twice calibrated conforming to EN ISO 8655 and DIN 12650 Standards.

Specification	According to
International Organisation for Standardisation	ISO Standard 8655, part 1-6
European Committee for Standardisation	CEN EN ISO 8655
CE-marking as IVD certificate registration no.	EU-Directive 98/79/EG, DE/CA90/IVD-22
German Institute for Standardisation	DIN 12950
RoHS Compliance certificate	EU Directive 2002/95/EC
General safety requirements	In accordance with IEC 61010-1
Electromagnetic compatibility requirements	In accordance with IEC 61326-1
Marking and layout	In accordance with IEC 60073
Conformity testing	In accordance with DIN 12600 (H-sign)
Environmental management certificate	ISO Standard 14000 and ISO Standard 14001
USP-Plastic Test, Class VI, certificate	ISO Standard 10993
GMP/GLP certificate	WHO Technical Report Series 908, 37. Report, Geneva 2003

The standards used for the measurements are traceable to the national standards of the Federal Republic of Germany at the Physikalisch-Technische Bundesanstalt (PTB).

8.3 pipet4u



Digital-MC Micropipettors

Fully autoclavable multi-channel pipettors with variable volumes

Principle of Operation:

The tip is attached to the piston pipette. With the piston at the lower aspiration limit, the tip is dipped into the liquid to be dispensed as a measured volume. When moved to the upper aspiration limit, the piston aspirates the liquid. The liquid to be dispensed is then expelled by depressing or sliding the piston between the volume-defining limits. The pistons have a body of air contained between the piston and the surface of the liquid (air displacement). AHN pipet4u multichannel pipettors have an extra air volume which can be used to expel the last drop of liquid.

CE-Marking Adjustment

pipet4u multichannel pipettors are CE-marked and adjusted for the delivery (Ex) of its nominal volume (or selected volume, in the case of a variable-volume model), for the standard reference temperature of 20°C, a relative air humidity of 50 % and a barometric pressure of 101 kPa (1,01 bar), using grade 3 water as defined in ISO 3696.

Autoclavability

pipet4u multichannel pipettors can be autoclaved using the following specifications:

Temperature	120° Celsius / 250° Fahrenheit
Pressure:	1,05 bar / 15 psig (Pounds)
Time:	15 minutes or less

Note: Excessive heat and/or time in the autoclave can cause warping! After each sterilisation users should establish a regular testing routine (see ISO 8655) for their pipettes using either ISO 8655-6 or alternative test methods.

Gas sterilization with ethylene oxide, formaldehyde is possible. We recommend allowing an appropriate aeration time suited to the particular application before reusing the item. Chemical disinfectants which are commonly-used (quaternary ammonium compounds, iodophors, formalin, benzalkonium chloride, ethanol etc.) can be used without problems. After each sterilisation users should establish a regular testing routine (see ISO 8655) for their pipettes using either ISO 8655-6 or alternative test methods.

pipet4u Digital-MC Micropipettes with variable volumes specification:

Cat.no.	Channels	Vol. range µl	Increments µl	Test Volume µl	% Inaccuracy	% Imprecision
8-201-00-9	8-channel	0.5 - 10	0.1	0.50 / 5 / 10	2.0 / 1.6 / 1.5	2.0 / 1.6 / 1.5
8-202-00-9	8-channel	5 - 50	0.5	5 / 25 / 50	2.0 / 1.0 / 0.6	2.0 / 0.8 / 0.5
8-203-00-9	8-channel	30-300	1.0	30 / 150 / 300	2.5 / 1.2 / 0.6	0.9 / 0.5 / 0.4

pipet4u racks for multichannel pipettors:

Cat.no.	Description	Sterile	Colour	Pack type	Pack size	Sales unit
8-130-02-6	Single rack for 8-channel pipettor	non	black	carton	1	1 x 1
8-130-02-9	Single rack for 8-channel pipettor	non	white	carton	1	1 x 1

8.4 pipet4u

Revolution SC Micropipettors
unique electronic pipetting



Standard Pipetting

Reverse Pipetting

Standard Dispensing

Multiple Dispensing

Sequential Dispensing

Standard Diluting

Mixing and Washing

User-calibration mode

Specification	According to
International Organisation for Standardisation	ISO Standard 8655, part 1-6
European Committee for Standardisation	CEN EN ISO 8655
CE-marking as IVD certificate registration no.	EU-Directive 98/79/EG, DE/CA90/IVD-22
German Institute for Standardisation	DIN 12950
RoHS Compliance certificate	EU Directive 2002/95/EC
General safety requirements	In accordance with IEC 61010-1
Electromagnetic compatability requirements	In accordance with IEC 61326-1
Marking and layout	In accordance with IEC 60073
Conformity testing	In accordance with DIN 12600 (H-sign)
Environmental management certificate	ISO Standard 14000 and ISO Standard 14001
USP-Plastic Test, Class VI, certificate	ISO Standard 10993
GMP/GLP certificate	WHO Technical Report Series 908, 37. Report, Geneva 2003

The standards used for the measurements are traceable to the national standards of the Federal Republic of Germany at the Physikalisch-Technische Bundesanstalt (PTB).

8.4 pipet4u



Revolution SC Micropipettors

Effortlessness electronic pipetting

An Incredible Combination of Accuracy, Precision and Value

The new AHN pipet4u Revolution electronic pipettors have been designed for maximum performance, accuracy and simple operation. The microprocessor-based system reduces the possibility for human error. Its light weight and ergonomic controls help to reduce the risk of repetitive strain injuries (RSI) that are frequent in manual pipetting. A real revolution is the end user price. An electronic pipette with a lower list price than a mechanical Gilson or Eppendorf pipette.

Ingenious Single Operating

All programmings and functions of the pipet4u Revolution is done by **one** user-friendly innovative knob (job-dial). No small knobs and no snippy button keys as in old, conventional electronic pipettors. Visible volume control by colour coding system.

Modern Visual Display

An innovating OLED-Display for a clear graphic readout as status indicator for all functions.

New ESM-System

A real easy selfcalibration system where the user can calibrate his system for solutions of different viscosities. Also the system controls permanent all functions and indicates all errors.

Reourceful SCS-System

This system controls the piston movement and guarantees highest precision and accuracy.

CE-Marking Adjustment

AHN pipet4u Revolution electronic pipettors are CE-marked as IVD and adjusted for the delivery (Ex) of its selected volume. Each pipette is calibrated conforming to EN ISO 8655 standards. The standards used for the measurements are traceable to the national standards of the Federal Republic of Germany at the Physikalisch-Technische Bundesanstalt

pipet4u Revolution SC Electronic micropipettes specification:

Cat.no.	Range µl	Charger	Steps µl	Test Vol. µl	% Inaccuracy	% Imprecision
8-500-00-0	0.2 – 10	Europe	0.01	0.50 / 5 / 10	5 / 2.5 / 0.9	6 / 1.5 / 0.5
8-500-01-0	0.2 – 10	UK	0.01	0.50 / 5 / 10	5 / 2.5 / 0.9	6 / 1.5 / 0.5
8-500-02-0	0.2 – 10	USA	0.01	0.50 / 5 / 10	5 / 2.5 / 0.9	6 / 1.5 / 0.5
8-501-00-0	5 - 120	Europe	0.1	5 / 50 / 100	2.5 / 0.9 / 0.4	1.5 / 0.3 / 0.5
8-501-01-0	5 - 120	UK	0.1	5 / 50 / 100	2.5 / 0.9 / 0.4	1.5 / 0.3 / 0.5
8-501-02-0	5 - 120	USA	0.1	5 / 50 / 100	2.5 / 0.9 / 0.4	1.5 / 0.3 / 0.5
8-502-00-0	10 – 200	Europe	0.1	10 / 100 / 200	0.9 / 0.4 / 0.3	0.5 / 0.5 / 0.1
8-502-01-0	10 – 200	UK	0.1	10 / 100 / 200	0.9 / 0.4 / 0.3	0.5 / 0.5 / 0.1
8-502-02-0	10 – 200	USA	0.1	10 / 100 / 200	0.9 / 0.4 / 0.3	0.5 / 0.5 / 0.1
8-503-00-0	50 – 1000	Europe	1.0	100 / 500 / 1000	0.4 / 0.4 / 0.3	0.5 / 0.2 / 0.1
8-503-01-0	50 – 1000	UK	1.0	100 / 500 / 1000	0.4 / 0.4 / 0.3	0.5 / 0.2 / 0.1
8-503-02-0	50 – 1000	USA	1.0	100 / 500 / 1000	0.4 / 0.4 / 0.3	0.5 / 0.2 / 0.1
8-504-00-0	50 - 1200	Europe	1.0	100 / 500 / 1000	0.4 / 0.5 / 0.3	0.5 / 0.2 / 0.1
8-504-01-0	50 - 1200	UK	1.0	100 / 500 / 1000	0.4 / 0.5 / 0.3	0.5 / 0.2 / 0.1
8-504-02-0	50 - 1200	USA	1.0	100 / 500 / 1000	0.4 / 0.5 / 0.3	0.5 / 0.2 / 0.1
8-505-00-0	100 - 5000	Europe	5.0	500 / 2500 / 5000	0.4 / 0.1 / 0.1	0.5 / 0.1 / 0.1
8-505-01-0	100 - 5000	USA	5.0	500 / 2500 / 5000	0.4 / 0.1 / 0.1	0.5 / 0.1 / 0.1
8-505-02-0	100 - 5000	UK	5.0	500 / 2500 / 5000	0.4 / 0.1 / 0.1	0.5 / 0.1 / 0.1

All AHN pipet4u Revolution SC micropipettes are delivered complete with charging system !

8.5 pipet4u

Revolution MC Micropipettors
unique electronic pipetting



Standard Pipetting

Reverse Pipetting

Standard Dispensing

Multiple Dispensing

Sequential Dispensing

Standard Diluting

Mixing and Washing

User-calibration mode

Specification	According to
International Organisation for Standardisation	ISO Standard 8655, part 1-6
European Committee for Standardisation	CEN EN ISO 8655
CE-marking as IVD certificate registration no.	EU-Directive 98/79/EG, DE/CA90/IVD-22
German Institute for Standardisation	DIN 12950
RoHS Compliance certificate	EU Directive 2002/95/EC
General safety requirements	In accordance with IEC 61010-1
Electromagnetic compatability requirements	In accordance with IEC 61326-1
Marking and layout	In accordance with IEC 60073
Conformity testing	In accordance with DIN 12600 (H-sign)
Environmental management certificate	ISO Standard 14000 and ISO Standard 14001
USP-Plastic Test, Class VI, certificate	ISO Standard 10993
GMP/GLP certificate	WHO Technical Report Series 908, 37. Report, Geneva 2003

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8.5 pipet4u



Revolution MC Micropipettors

Effortlessness electronic pipetting

An Incredible Combination of Accuracy, Precision and Value

The new AHN pipet4u Revolution electronic pipettors have been designed for maximum performance, accuracy and simple operation. The microprocessor-based system reduces the possibility for human error. Its light weight and ergonomic controls help to reduce the risk of repetitive strain injuries (RSI) that are frequent in manual pipetting. A revolution is the end user price. A complete electronic MC-pipet with lower prices than the most mechanical MC-pipettors.

Ingenious Single Operating

All programmings and functions of the pipet4u Revolution is done by **one** patented user-friendly innovative knob (job-dial). No small knobs and no snippy button keys as in old, conventional electronic pipettors. Visible volume control by colour-coding system.

Modern Visual Display

An innovating OLED-Display for a clear graphic readout as status indicator for all functions.

New ESM-System

A real easy selfcalibration system where the user can calibrate his system for solutions of different viscosities. Also the system controls permanent all functions and indicates all errors.

Reourceful SCS-System

This system controls the piston movement and guarantees highest precision and accuracy.

CE-Marking Adjustment

AHN pipet4u Revolution electronic pipettors are CE-marked as IVD and adjusted for the delivery (Ex) of its selected volume. Each pipettor is calibrated conforming to EN ISO 8655 standards. The standards used for the measurements are traceable to the national standards of the Federal Republic of Germany at the Physikalisch-Technische Bundesanstalt

pipet4u Revolution MC Electronic micropipettes specification:

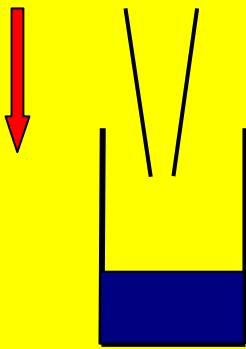
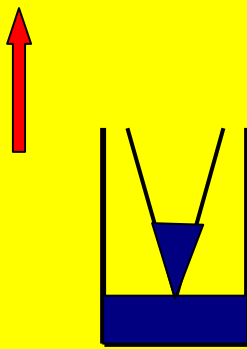
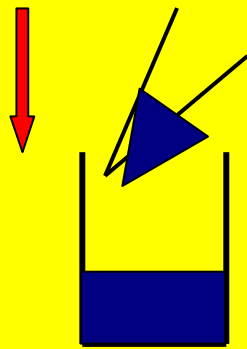
Cat.no.	Channel	Range μ l	Charger	Steps μ l	Test Vol. μ l	% Inaccuracy	% Imprecision
8-520-00-0	8-Channel	0.2 – 10	Europe	0.01	0.50 / 5 / 10	5 / 2.5 / 0.9	6 / 1.5 / 0.5
8-520-01-0	8-Channel	0.2 – 10	UK	0.01	0.50 / 5 / 10	5 / 2.5 / 0.9	6 / 1.5 / 0.5
8-520-02-0	8-Channel	0.2 – 10	USA	0.01	0.50 / 5 / 10	5 / 2.5 / 0.9	6 / 1.5 / 0.5
8-521-00-0	8-Channel	2.5 - 50	Europe	0.1	5 / 25 / 50	2.5 / 0.9 / 0.4	1.5 / 0.3 / 0.5
8-521-01-0	8-Channel	2.5 - 50	UK	0.1	5 / 25 / 50	2.5 / 0.9 / 0.4	1.5 / 0.3 / 0.5
8-521-02-0	8-Channel	2.5 - 50	USA	0.1	5 / 25 / 50	2.5 / 0.9 / 0.4	1.5 / 0.3 / 0.5
8-522-00-0	8-Channel	15 – 300	Europe	0.5	20 / 150 / 300	0.9 / 0.4 / 0.3	0.5 / 0.5 / 0.1
8-522-01-0	8-Channel	15 – 300	UK	0.5	20 / 150 / 300	0.9 / 0.4 / 0.3	0.5 / 0.5 / 0.1
8-522-02-0	8-Channel	15 – 300	USA	0.5	20 / 150 / 300	0.9 / 0.4 / 0.3	0.5 / 0.5 / 0.1
8-530-00-0	12-Channel	1 - 20	Europe	0.02	5 / 10 / 20	2.5 / 0.9 / 0.9	1.5 / 0.7 / 0.6
8-530-01-0	12-Channel	1 - 20	UK	0.02	5 / 10 / 20	2.5 / 0.9 / 0.9	1.5 / 0.7 / 0.6
8-530-02-0	12-Channel	1 - 20	USA	0.02	5 / 10 / 20	2.5 / 0.9 / 0.9	1.5 / 0.7 / 0.3
8-531-00-0	12-Channel	5 - 100	Europe	0.1	10 / 50 / 100	0.9 / 0.5 / 0.4	0.7 / 0.6 / 0.3
8-531-01-0	12-Channel	5 - 100	UK	0.1	10 / 50 / 100	0.9 / 0.5 / 0.4	0.7 / 0.6 / 0.3
8-531-02-0	12-Channel	5 - 100	USA	0.1	10 / 50 / 100	0.9 / 0.5 / 0.4	0.7 / 0.6 / 0.3
8-532-00-0	12-Channel	10 - 200	Europe	0.2	10 / 100 / 200	0.9 / 0.6 / 0.4	0.7 / 0.6 / 0.4
8-532-01-0	12-Channel	10 - 200	UK	0.2	10 / 100 / 200	0.9 / 0.6 / 0.4	0.7 / 0.6 / 0.4
8-532-02-0	12-Channel	10 - 200	USA	0.2	10 / 100 / 200	0.9 / 0.6 / 0.4	0.7 / 0.6 / 0.4

All AHN pipet4u Revolution MC Electronic micropipettes are delivered complete with charging system !

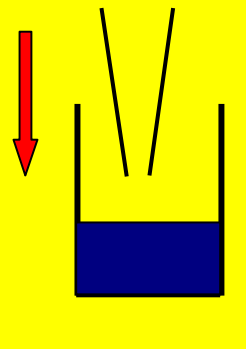
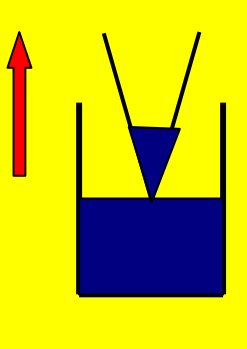
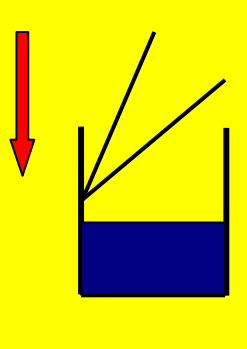
8.6 pipet4u

Pipetting requirements according to ISO-Standard 8655

1. Forward pipetting:

			<p>Pre-wet tip when working with volumes greater than 10 ul.</p> <p>This application is recommended for: Standard solutions, such as water, buffer, diluted saline solutions and diluted acids and alkalis.</p>
<p>1. Press down the button to the first stop. Immerse the tip a few millimetres into the liquid.</p>	<p>2. Release the button slowly. The tip fills up.</p>	<p>3. Dispense liquid by pressing down button to first stop. Then blow out remaining liquid by pressing button down to second stop.</p>	

2. Reverse pipetting:

			<p>This application is recommended for: Viscous solutions, solutions with a high vapor pressure, wetting agents.</p>
<p>1. Press down the button to the second stop. Immerse the tip a few millimetres into the liquid.</p>	<p>2. Release button slowly. Tip fills up.</p>	<p>3. Dispense liquid by pressing down button to the first stop. Some liquid remains in the tip!!!!</p>	

8.7 OASIS

pipet4u accu pipet controller

Universal for all plastic or glass pipettes



High Comfort

The OASIS pipette controller is an engine powered pipetting aid designed for cordless work with glass or plastic pipettes in 0.1 – 100 ml volume range. Ergonomical shaped and carefully designed light weight handle, together with smooth push buttons and conveniently located slide switches ensure effortless pipetting even during extensive use.

Maximum Speed and Accuracy

It has a high performance micro pump with a powerful but quite engine with 3 speed modes. With soft grip-stress free control knobs it can aspirate-dispense 25 ml pipettes under 4 seconds. The pump speed can be fine-tuned by varying finger pressure to improve the sensitivity and for highest accuracy also in low volumes.

Safety System

It is equipped with replaceable membrane filter, which protect the device and the user from contamination by vapors of solutions being drawn in the pipette.

An incredible combination of ergonomic and value with all modern conveniences !

AHN OASIS pipette controller will be delivered complete with 2 x 1.2 V / 1000 mAh environmental friendly rechargeable NiMH batteries (cadmium free), with a battery charger, with 0.45 µm and 0.20 µm hydrophobic PTFE membrane filters and a wall bracket system for a safety handling. The intelligence charger prevents over charging and 2-3 hours to fully charge. The device has a low battery LED indicator. If the IED lamp lights up, it means that the batteries are discharged and they should be charged The OASIS has a fully autoclavable nosepiece and a continuous working limit of 10 hours !

Cat.no.	Description	Volume Range	Pack type	Sales unit
8-300-00-9	AHN OASIS Accu pipet controller	0,1-100 ml	carton	carton / 1 OASIS
8-300-03-0	AHN OASIS PTFE membrane filters	0.20 µm	carton	carton / 5 filters
8-300-04-0	AHN OASIS PTFE membrane filters	0.45 µm	carton	carton / 5 filters