Certified Ergonomics – For <u>really</u> relaxed work!

BRAND

Transferpette®
electronic

F I R S T C L A S S · B R A N D

Ergonomics – approved and certified.

The BRAND Transferpette® electronic pipettes combine the innovation of BRAND mechanical pipettes with electronic control and motorized operation to optimize ergonomics, accuracy and ease of use. All confirmed by the Technical Control Board of Rhineland with the Ergonomics Certificate.

- **Ergonomic**
  - Functional, ergonomic housing design
  - Individually adjustable finger rest
- **Easy operation**
  Intuitive menu structure
- **Innovative**
  Significantly reduced tip attachment and ejection forces
- **Convenient programs**
  - Pipetting
  - Reverse pipetting
  - Mixing
  - GEL-Electrophoresis
  - Dispensing
  - Easy Calibration Technique
- **Ready for use**
  - 4000 pipetting cycles with one battery charge
  - Battery refresh function

TÜV Rheinland Product Safety
ERGONOMIE GEPRÜFT
ERGONOMICS APPROVED







TÜV Rheinland Product Safety
ERGONOMIE GEPRÜFT
ERGONOMICS APPROVED

The first worldwide!

The Transferpette® electronic was the first microliter pipette recognized with the ergonomics approved certificate from the Technical Control Board Rhineland/ Berlin-Brandenburg! Independent and neutral user tests confirm the ergonomics and the operating ease of the product and system! A user acceptance rating of **1.54** for the single channel Transferpette® electronic or **1.55** for the multichannel Transferpette® electronic is an outstanding result. You can obtain information about the single and multichannel Transferpette® electronic pipettes at www.tuv.com; ID No. 0011105500 and 5211207400.



www.tuv.com TÜV TÜV Rheinland ID:0011105500



www.tuv.com TÜV TÜV Rheinland ID:5211207400

Certified Ergonomics

Adapts to your hand

The optimal position of the thumb relative to the functional elements of the pipette is the starting point for a relaxed grip. The relaxed hand is an essential part of avoiding Repetitive Strain Injuries – RSI – from serial pipetting operations. The adjustable finger rest lets the Transferpette® electronic adapt to your hand for greatest comfort, whether you are left- or right-handed.

Easy handling – simple to operate

The menus are simple and obvious...there's no long learning curve or complicated programming. You just select the pipetting technique you've always used with mechanical pipettes, but benefit from a power-assist! The technical instructions are especially user friendly and always guide you through all functions with explanatory illustrations and straight-forward explanations.

Lightweight

Innovative engineering and high quality materials preserve the light weight of the popular mechanical Transferpette® pipettes, while adding the control advantages of electronics.

Transferpette® electronic



Transferpette®-8 electronic





Adjustable finger rest

Intensive and repeated work with poor ergonomic design can lead to muscular problems from the recurring stress. This is known as repetitive strain injury (RSI).

In the laboratory, such injuries include tenosynovitis and carpal tunnel syndrome. To allow you to perform pipetting in a relaxed manner, the Transferpette® electronic has a continuously adjustable finger rest.

This allows every user whether right- or left-handed, with large hands or small – to position the pipette in the hand so that the functional elements are within easy reach. The grip remains natural and comfortable for near effortless operation.

A Closer look...

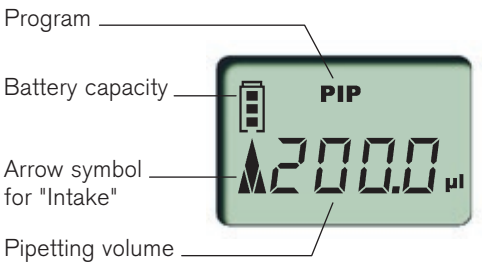
Models

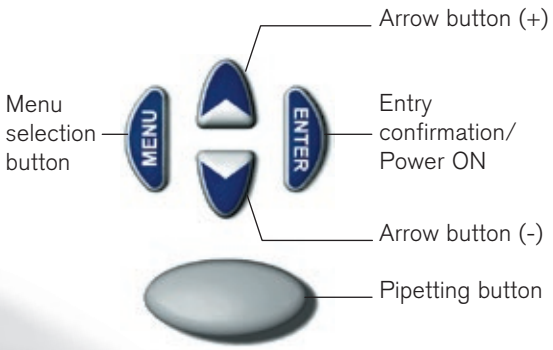
Ergonomics – approved and certified.

Transferpette® electronic single channel pipette is available in 5 different models: 0.5-10 µl, 2-20 µl, 20-200 µl, 100-1000 µl and 0.5-5 ml.

The Transferpette®-8/-12 electronic multichannel pipette is available in 5 different models: 0.5-10 µl, 1-20 µl, 5-100 µl, 10-200 µl and 15-300 µl.

Designed for comfort in your relaxed hand, the Transferpette® electronic adds simple operating software and well-illustrated documentation to produce a uniquely user-friendly experience.







A Closer Look...



No problem even with eight or twelve channels

The operation of 8- or 12-channels simultaneously multiplies the risk of RSI if the forces are not properly managed. The Transferpette® electronic manages them with a simple tap of the pipetting button; pipetting forces are uniform and negligible. A combination of innovations – including resilient V-rings on the tip cones, a stepped tip ejector, the manifold stabilizer and adjustable hand position – all work together to creatively reduce ejection forces when working with a 8- or 12-channel Transferpette® electronic.



Individual shafts with seals can be easily unscrewed with only a simple gripping tool, which is supplied. Tip cones and seals can now be easily cleaned or replaced. This patented procedure eliminates the expense and long downtime associated with sending pipettes out for service, ensuring long service life and low operating costs. Recalibration is not required!

Innovative

Tip cone with soft-seal components!



Two optional accessories are avaiblable for the single-channel Transferpette® models with volume ranges of 20-200 µl and 100-1000 µl. One is a patented shaft tip that is co-molded of hard and resilient components. Also available are three ejector clips These ensure that tips are not mounted with more force than needed to seal, so that tip ejection will take only a light touch.

The benefits of these accessories are especially noticeable in prolonged pipetting runs, where the cumulative strain of repetitive pipetting is the greatest risk.



Visual inspection!

A resilient sealing ring not only adapts the pipette to small tip variations, but also provides a very distinct visual check for the correct seating and sealing of the tip.



Ejector Clips

Not available on single channel models with volume ranges of 0.5 - 10 µl, 2 - 20 µl or 0.5 - 5 ml

No Downtime!

The Transferpette® electronic draws its energy from an NiMH battery.

One battery charge allows you to perform over 4000 pipetting cycles.

During the charging process, you can continue to pipette, taking advantage of the handy one-meter charging cable.



Minimal Operating Force!

Freely rotatable over 360° in both directions! Complete manifold can be autoclaved!

The pipette manifold is freely rotatable with respect to the handle over 360° in both directions, so that you can always work at a relaxed and convenient angle to the titer plate.
Unscrew the manifold from the grip with a few quick turns, and autoclave the entire manifold at 121 °C without any further disassembly.



Stepped surface **FKM seal ring**

The shaft and resilient, V-shaped FKM seal rings are designed so that only minimal attachment force is needed for solid and parallel tip seating. The stepped design allows the ejection force to be distributed to tips sequentially, but within fractions of a second, reducing ejection forces by 75% or more compared with unstepped ejector designs.

Programs

Besides pipetting comfort, an important design goal for the Transferpette® electronic was rapid and intuitive work, and simple, fast program changes. The objective was to gain the advantages of electronic operation with no trade-offs. To simplify operation, complicated progams for rarely used functions were omitted. Thus, the Transferpette® electronic includes all of the functions used routinely in mechanical pipettes, while adding the ergonomic and performance advantages of power-assisted operation and digital accuracy. The functions of the Transferpette® electronic are simple to set and convenient to use.



Pipetting (PIP Mode)

The 'standard' program.
The set volume is aspirated by the pipette, and then discharged.



Mixing of Samples (PIPmix Mode)

Program for mixing of liquids. The sample is repeatedly aspirated and discharged, and the number of mixing cycles is displayed.



Reverse Pipetting (revPIP Mode)

Program specially designed for the pipetting of liquids with a high viscosity, high vapor pressure or foamy media.



Pipetting with Electrophoresis (GEL Mode)*

Program for the loading of electrophoresis gels**.
The required sample volume is aspirated at the desired, adjustable speed, and is then discharged very slowly.
The exact volume of liquid discharged is shown in the display as it is discharged.



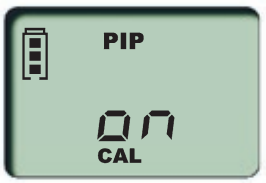
Dispensing (DISP Mode)

A program for the dispensing of liquids in a series of equal aliquots. A volume that has been aspirated is dispensed in steps.



Easy Calibration Technique (CAL Mode)

Every laboratory that is certified according to ISO 9001 or accredited according to ISO/IEC 17025 or works according to the GLP/GMP guidelines must regularly calibrate its testing equipment and adjust as necessary. Program for making quick adjustments to the instrument, without tools. By changing the factory setting, <CAL> appears automatically in the display.



Battery-Refresh (batt Mode)

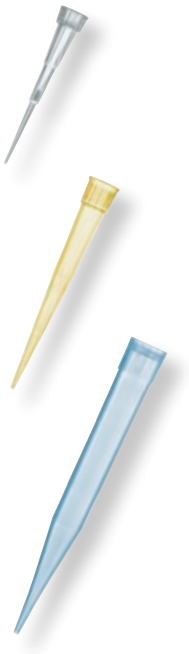
Regeneration function for increased performance and extending the service life of the batteries. The world's first microliter pipette with this function.



* The GEL mode is not included in the 1000 µl and 5000 µl single channel pipettes because these volumes are rarely used in electrophoresis.

** Patented

Tip Top Performance...



Pipette Tips and Filter Tips

Pipette tips, filter tips as well as primary packaging from BRAND are manufactured in a cleanroom under the most modern production conditions, and are automatically rack packed and packaged to ensure that the tips are of consistently high quality. For the manufacture, BRAND exclusively uses raw materials that are free from the additives di(2-hydroxyethyl)methyldodecylammonium (DiHEMDA) and 9-octadecenamide (oleamide).

- Standard- and Ultra Low Retention pipette tips
- High-purity polypropylene, free from DiHEMDA and oleamide
- Manufactured without lubricants
- Cadmium-free pigments
- Graduation for a quick volume check
- Palletized tips are also available in BIO-CERT® quality (sterile, DNA-, RNase-, endotoxin-, and ATP-free)
- Autoclavable at 121 °C (2 bar), acc. DIN EN 285
- Environmentally friendly packaging systems
- CE-marked according to IVD-Directive 98/79 EC
- Production is performed in Class 8 cleanroom, validated according to ISO 14 644-1.



TipBox



TipBox – TipRack – TipStack™ System

The tip system from BRAND has many distinctive features. The TipBox is equipped with transparent window for better all-round visual inspection. The side panel labeling on the colored tip-trays are always clearly visible.

The lid of the TipBox can be used as hinged and push-on lid. Simply rotate 180°.

Usable with a partially loaded multichannel pipette. The rimless tip-tray border enables problem-free loading of individual pipette tips with multichannel instruments.

Tightly sealing spacers in the TipStack™ prevent the tips from getting stuck together, and ensure them to be free from DNA, RNases, endotoxins and ATP.

The sterile TipStacks and TipRacks are supplied with a transfer aid for contamination-free use in a previously sterilized TipBox.



TipStack™



TipRacks



Transfer aid

Pipette tips Filter tips Volume range	Transferpette® electronic single channel Nominal volume					Transferpette® electronic multichannel Nominal volume				
	10 µl	20 µl	200 µl	1000 µl	5000 µl	10 µl	20 µl	100 µl	200 µl	300 µl
0,1 - 20 µl	✔2)	✔2)				✔	✔			
0,5 - 20 µl	✔	✔				✔	✔			
1 - 50 µl	✔	✔				✔	✔			
2 - 200 µl[1)]			✔					✔	✔	✔
5 - 300 µl			✔					✔	✔	✔
50 - 1000 µl[1)]				✔						
0,5 - 5 ml					✔					
1 - 10 ml										
0,1 - 1 µl	✔2)					✔				
0,5 - 10 µl	✔	✔				✔	✔			
1 - 20 µl	✔	✔				✔	✔			
2 - 20 µl			✔					✔	✔	
5 - 100 µl			✔					✔	✔	✔
5 - 200 µl			✔					✔	✔	✔
50 - 1000 µl				✔						

✔ = Tip volume less than pipette's nominal volume

1) Bulk tips are yellow or blue colored, racked tips are colorless in a yellow-colored or blue-colored tip tray

2) Calibration and adjustment may be necessary.

Ordering date

Transferpette® electronic

Items supplied: each Transferpette® electronic pipette has DE-M marking and is supplied with performance certificate, battery, AC adapter, silicone oil.



Capacity, µl (color-coded)	Subdiv. µl	A* ≤ ± %	A* ≤ ± µl	CV* ≤ %	CV* ≤ µl	With AC adapter for	Cat. No.
0.5 - 10	0.01	1.0	0.1	0.4	0.04	Europe (continental)	**7052 99**
						UK/Ireland	**7053 09**
						USA/Japan	**7053 19**
						Australia	**7053 29**
						without AC adapter	**7053 39**
2 - 20	0.02	1.0	0.2	0.4	0.08	Europe (continental)	**7053 00**
						UK/Ireland	**7053 10**
						USA/Japan	**7053 20**
						Australia	**7053 30**
						without AC adapter	**7053 40**
20 - 200	0.2	0.8	1.6	0.2	0.4	Europe (continental)	**7053 03**
						UK/Ireland	**7053 13**
						USA/Japan	**7053 23**
						Australia	**7053 33**
						without AC adapter	**7053 43**
100 - 1000	1.0	0.6	6	0.2	2	Europe (continental)	**7053 06**
						UK/Ireland	**7053 16**
						USA/Japan	**7053 26**
						Australia	**7053 36**
						without AC adapter	**7053 46**
500 - 5000	5.0	0.6	30	0.2	10	Europe (continental)	**7053 07**
						UK/Ireland	**7053 17**
						USA/Japan	**7053 27**
						Australia	**7053 37**
						without AC adapter	**7053 47**

* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth, steady operation. The error limits are well within the limits of DIN EN ISO 8655-2. DE-M marking. A = Accuracy, CV = Coefficient of variation

Note! When ordering instruments with DAkkS calibration certificates, the prefix 'DAkkS' must be added to the order number, e.g., DAkkS 7052 99.

BRAND also offers calibration service at the factory lab.

Transferpette®-8 electronic

Items supplied: each Transferpette®-8 electronic pipette has DE-M marking and is supplied with performance certificate, battery, AC adapter, device stand, TipBox, refill unit, reagent reservoir, mounting tool, silicone oil and 1 set of sealing rings made of FKM.

Capacity, µl (color-coded)	Subdivision µl	A* ≤ ± %	A* ≤ ± µl	CV* ≤ %	CV* ≤ µl	With AC adapter for	Cat. No.
0.5 - 10	0.01	1.2	0.12	0.8	0.08	Europe (continental)	**7053 99**
						UK/Ireland	**7054 09**
						USA/Japan	**7054 19**
						Australia	**7054 29**
1 - 20	0.02	1.0	0.2	0.5	0.1	Europe (continental)	**7054 00**
						UK/Ireland	**7054 10**
						USA/Japan	**7054 20**
						Australia	**7054 30**
5 - 100	0.1	0.8	0.8	0.25	0.25	Europe (continental)	**7054 03**
						UK/Ireland	**7054 13**
						USA/Japan	**7054 23**
						Australia	**7054 33**
10 - 200	0.2	0.8	1.6	0.25	0.5	Europe (continental)	**7054 04**
						UK/Ireland	**7054 14**
						USA/Japan	**7054 24**
						Australia	**7054 34**
15 - 300	0.5	0.6	1.8	0.25	0.75	Europe (continental)	**7054 06**
						UK/Ireland	**7054 16**
						USA/Japan	**7054 26**
						Australia	**7054 36**



Transferpette®-12 electronic

Items supplied: each Transferpette®-12 electronic pipette has DE-M marking and is supplied with performance certificate, battery, AC adapter, device stand, TipBox, refill unit, reagent reservoir, mounting tool, silicone oil and 1 set of sealing rings made of FKM.

Capacity, µl (color-coded)	Subdivision µl	A* ≤ ± %	A* ≤ ± µl	CV* ≤ %	CV* ≤ µl	With AC adapter for	Cat. No.
0.5 - 10	0.01	1.2	0.12	0.8	0.08	Europe (continental)	**7054 49**
						UK/Ireland	**7054 59**
						USA/Japan	**7054 69**
						Australia	**7054 79**
1 - 20	0.02	1.0	0.2	0.5	0.1	Europe (continental)	**7054 50**
						UK/Ireland	**7054 60**
						USA/Japan	**7054 70**
						Australia	**7054 80**
5 - 100	0.1	0.8	0.8	0.25	0.25	Europe (continental)	**7054 53**
						UK/Ireland	**7054 63**
						USA/Japan	**7054 73**
						Australia	**7054 83**
10 - 200	0.2	0.8	1.6	0.25	0.5	Europe (continental)	**7054 54**
						UK/Ireland	**7054 64**
						USA/Japan	**7054 74**
						Australia	**7054 84**
15 - 300	0.5	0.6	1.8	0.25	0.75	Europe (continental)	**7054 56**
						UK/Ireland	**7054 66**
						USA/Japan	**7054 76**
						Australia	**7054 86**



* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth, steady operation. The error limits are well within the limits of DIN EN ISO 8655-2. DE-M marking. A = Accuracy, CV = Coefficient of variation

Accessories

3-device charging stand for Transferpette® electronic (up to 1000 µl)

You can use the 3-device charging stand to charge up to three single channel pipettes at the same time.
Pack of 1.

for Transferpette® electronic with AC adapter for	Cat. No.
Europe (continental) (230V/50Hz)	**7053 90**
UK/Ireland (230V/50Hz)	**7053 91**
USA/Japan (110V/50-60Hz)	**7053 92**
Australia (240V/50Hz)	**7053 93**

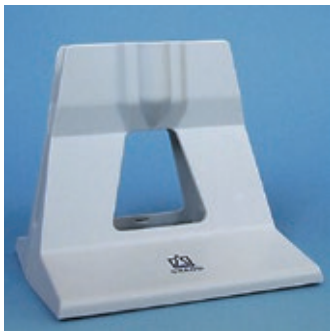


Individual stand for Transferpette® electronic

Also suitable for corresponding models of Transferpette® and Transferpette® *S* pipettes.
Pack of 1.

for Transferpette® electronic	Cat. No.
up to 1000 µl	**7053 85**
500-5000 µl	**7053 86**





Individual stand

For all Transferpette® multichannel pipettes.
Pack of 1.

Cat. No.	7034 40



Reagent reservoir, PP

Non-sterile, with lid.
Pack of 10.

Cat. No.	7034 59

Sterile, without lid.
Packed individually.
Pack of 100.

Cat. No.	7034 11

Sterile, without lid.
5 per bag.
Pack of 200.

Cat. No.	7034 09



❶



❷

Accessories for Transferpette® electronic 20-200 µl and 100-1000 µl

	Description		Cat No.
❶	Ejector-adjustment clips (set of 3)	20 - 200 µl	**7055 60**
	Ejector-adjustment clips (set of 3)	100 - 1000 µl	**7055 62**
❷	Pipette shaft (complete)	20 - 200 µl	**7055 43**
	Pipette shaft (complete)	100 - 1000 µl	**7055 45**

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9947 32 · Printed in Germany · V0915

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