

Excellent Ergonomics – For really relaxed work!



# Transferpette® electronic

F I R S T C L A S S · B R A N D

## Ergonomics and ease of use are the focus!

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.

### ■ 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





## 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.

# Excellent Ergonomics

## 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.



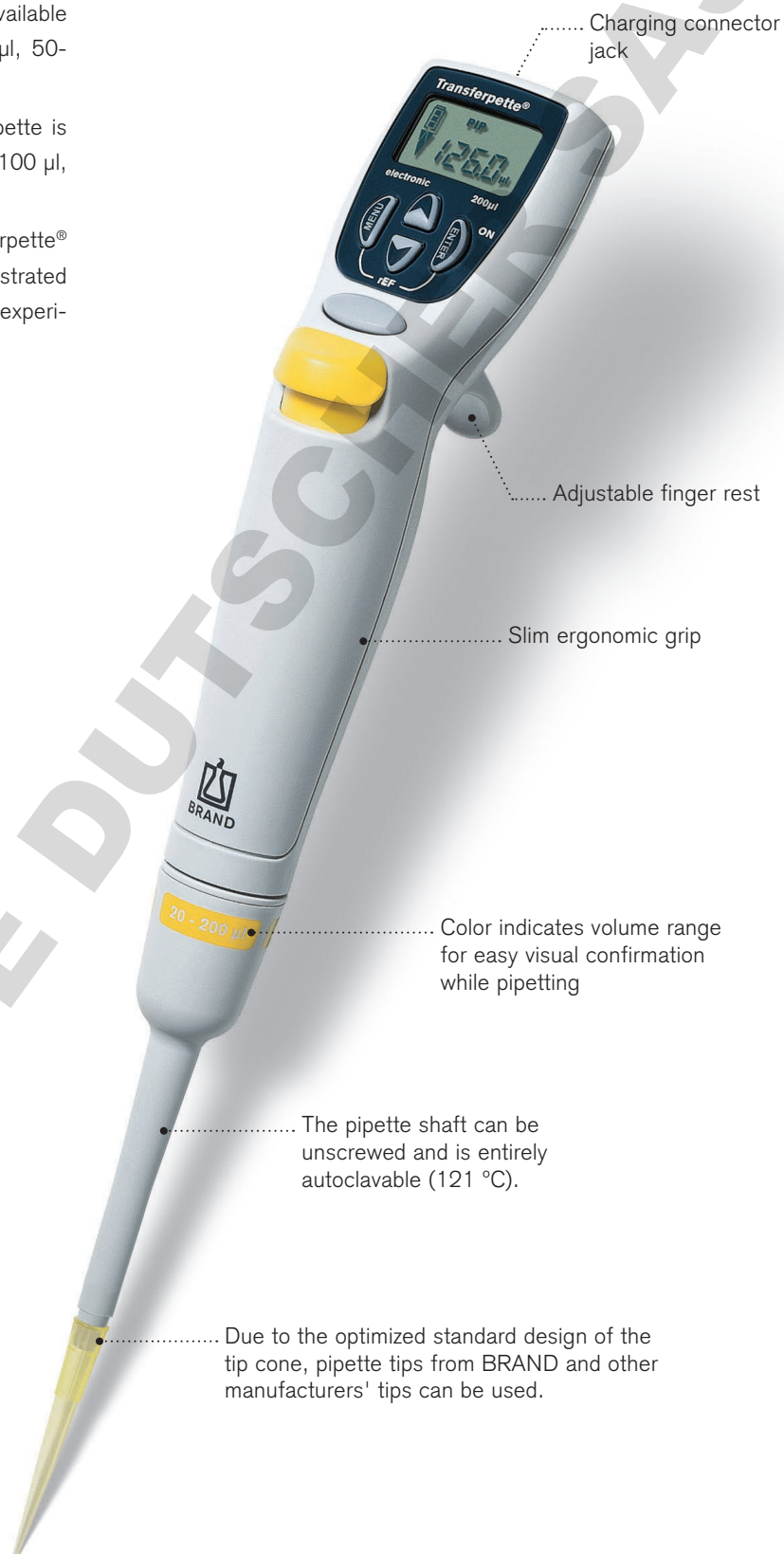
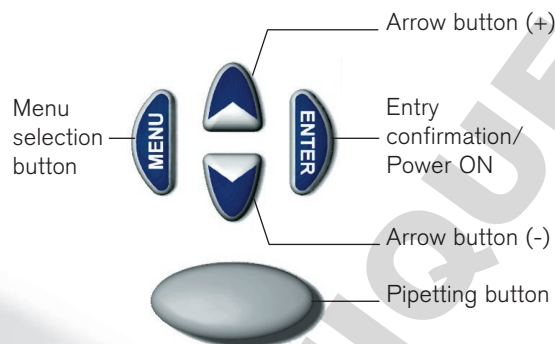
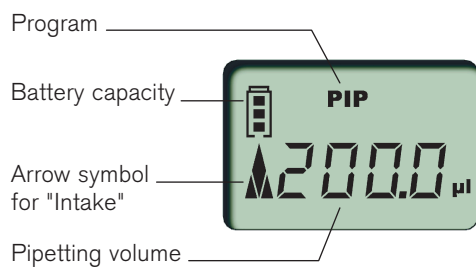
# A Closer look...

## Models

Transferpette® electronic single channel pipette is available in 5 different models: 0.5-10 µl, 2-20 µl, 10-200 µl, 50-1000 µl and 250-5000 µl.

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...



Large, clear display .....

Intuitive operation of all functions using 4 keys .....

Big pipetting button .....

Ergonomically arranged ejection button with color code for pipette volume and tip size .....

..... Complete manifold can be autoclaved at 121 °C and rotates freely 360° in either direction.

..... Stepped tip ejector reduces ejection forces significantly.

..... O-rings made of FKM resp. silicone allow effortless mounting and easy ejection of the tips, and readily adapt to tips from various manufacturers.

## 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 O-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 available for the single-channel Transferpette® models with volume ranges of 10-200 µl and 50-1000 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 250 - 5000 µl

## 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

### silicone seal ring

The shaft and resilient, silicone O-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.

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 programs 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.



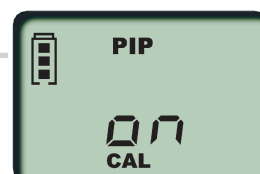
## Dispensing (DISP Mode)

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 ac-  
credited 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
- All racked tips and filter tips up to 1000  $\mu$ l are free of DNA (< 40 fg), RNase (< 8.6 fg), endotoxins (< 1 pg) and ATP (< 1 fg)
- 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





# Tip Top Performance...

## 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°.

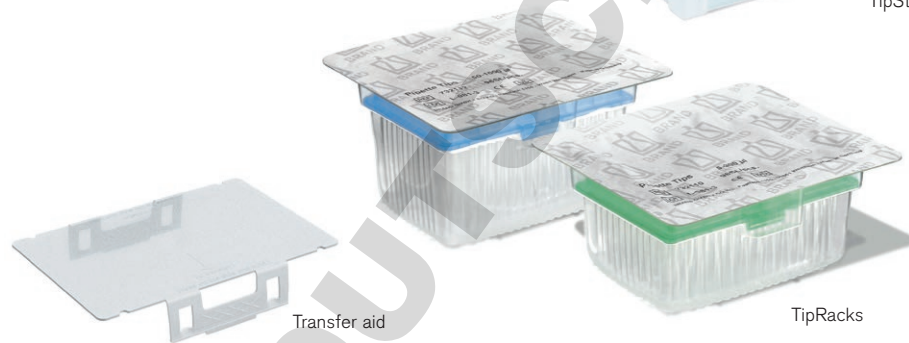
Usable with a partially loaded multichannel pipette. The rimless tip-tray border enables problem-free loading of individual pipette tips with multichannel instruments.

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™



Transfer aid

TipRacks

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	✓ <sub>2)</sub>	✓ <sub>2)</sub>				✓	✓			
0,5 - 20 µl	✓	✓				✓	✓			
1 - 50 µl	✓	✓				✓	✓			
2 - 200 µl <sup>1)</sup>			✓					✓	✓	✓
5 - 300 µl			✓					✓	✓	✓
50 - 1000 µl <sup>1)</sup>				✓						
0,5 - 5 ml				✓						
1 - 10 ml					✓					
0,1 - 1 µl	✓ <sub>2)</sub>					✓				
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

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

<sup>2)</sup> 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 grease.



Capacity, $\mu\text{l}$ (color-coded)	Subdiv. $\mu\text{l}$	$A^* \leq \pm$ % $\mu\text{l}$		$CV^* \leq$ % $\mu\text{l}$		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
● 10 - 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
● 50 - 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
● 250 - 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, reagent reservoir, mounting tool, silicone grease and 1 set of sealing rings made of silicone.

Capacity, µl (color-coded)	Subdivision µl	A* ≤ ± % µl	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, reagent reservoir, mounting tool, silicone grease and 1 set of sealing rings made of silicone.

Capacity, µl (color-coded)	Subdivision µl	A* ≤ ± % µl	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

## Charging stand for Transferpette® electronic (up to 1000 µl)

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

for Transferpette® electronic with AC adapter (100-240V/50-60 Hz) for

	Cat. No.
Europe (continental)	7053 90
UK/Ireland	7053 91
USA/Japan	7053 92
Australia	7053 93

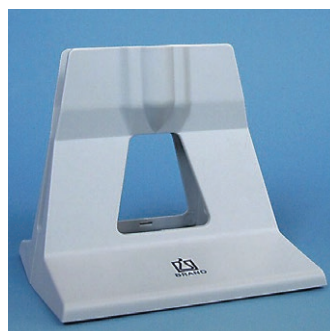


## Individual stand for Transferpette® electronic

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

for Transferpette® electronic

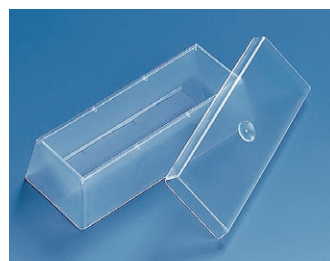
	Cat. No.
up to 1000 µl	7053 85
250-5000 µl	7053 86



## Individual stand

For all Transferpette® multi-channel 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



2



## Accessories for Transferpette® electronic 10-200 µl and 50-1000 µl

Description		Cat No.
1 Ejector-adjustment clips (set of 3)	10 - 200 µl	7055 60
Ejector-adjustment clips (set of 3)	50 - 1000 µl	7055 62
2 Pipette shaft (complete)	10 - 200 µl	7055 43
Pipette shaft (complete)	50 - 1000 µl	7055 45

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