

Transferpette[®] *electronic*

The BRAND *Transferpette*[®] *electronic* single- and multichannel pipettes combine the innovation of the *Transferpette*[®] with the convenience and automation of motorized, electronic pipettes. The result is an accurate, ergonomic instrument for use in most laboratory applications. Both single- and multichannel models are available in five volume ranges, and feature an autoclavable pipette shaft or manifold, respectively.

- **Delivers Precise, Accurate Volumes:** The microprocessor-controlled *Transferpette*[®] *electronic* automates piston movement, eliminating the imprecision and inaccuracy caused by operator variability.
- **Increases Sample Throughput:** Five convenient operating modes improve productivity and increase sample throughput: standard pipetting, sample mixing, reverse pipetting, dispensing, and gel loading.
- **Reduces Maintenance Downtime:** All models, both single- and multichannel, can be disassembled for cleaning. The multichannel models also feature BRAND's exclusive user-removable, individual tip cones for easy in-lab maintenance or replacement. Additionally, all models are equipped with BRAND's innovative Easy Calibration™ system that reduces the need for off-site calibration and simplifies conformity with ISO/GLP guidelines.
- **Maximizes Pipetting Comfort:** The soft-touch pipetting key, contoured handle, adjustable finger-rest and V-rings on multichannel models, minimize operating forces for a comfortable pipetting experience. The *Transferpette*[®] *electronic* pipettes were the first single- and multichannel pipettes awarded the "Ergonomics Approved" certification from the prestigious TÜV testing service, an OSHA-accredited independent testing lab.



The *Transferpette*[®] *electronic* pipettes from BRAND. Performance, Value, and Unbelievable Comfort.



single & multichannel pipettes

Clear, Legible LCD Screen

All parameters are clearly displayed with letters, symbols and numbers for easy reference by both left- and right-handed users.

Soft Touch Pipetting Key

Greatly reduces pipetting forces and improves accuracy and precision.

Rechargeable Battery

Over 4000 pipetting cycles between charges means well over a full day of uninterrupted pipetting. Though unlikely to be needed, the instrument can be operating during charging. The *Transferpette® electronic* includes a controlled discharge-recharge cycle program that extends battery life.

Multichannel V-rings

V-rings on tip cones of multichannel models improve tip fit and reduce mounting and ejection forces. 0.5-10 μ L and 1-20 μ L multichannel models feature dual O-ring design for enhanced directional accuracy and tip fit.



Intuitive Interface

User-friendly design allows easy operation, even for new lab techs.

Adjustable Finger Rest

The adjustable finger rest adapts the instrument to your most comfortable hand position.

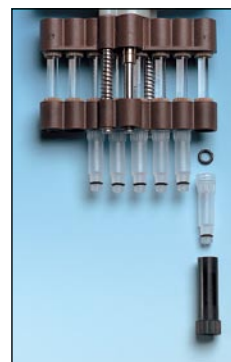
Multi-position Stand

For an alternative to individual pipette power supplies, this stand can store and charge three *Transferpette® electronic* pipettes simultaneously (excluding 5mL and multichannel models).



Autoclavable Pipette Manifold/Shaft

The pipette shaft (manifold on multichannel models) may be unscrewed from the instrument and autoclaved for use in sterile applications, or decontamination.



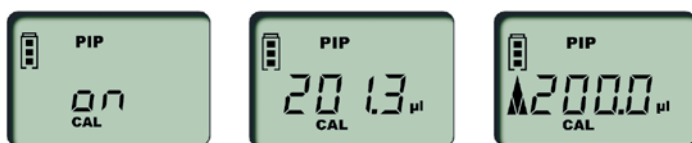
Easy Maintenance

Multichannel manifolds disassemble easily for cleaning or service. See page 4 for more details on the manifolds of BRAND'S mechanical and electronic pipettes.

Easy Calibration™

Easy Calibration™

Laboratories certified to ISO 9001, accredited to ISO/IEC 17025, or working according to GLP/GMP guidelines, must regularly calibrate testing equipment, and adjust as necessary. The *Transferpette® electronic* allows you to make simple and quick adjustments without any additional tools. The symbol 'CAL' in the display shows that an adjustment has been made.



Activate function...

...set...

...finished!

Five Operating Modes

Quickly and easily scroll to one of five convenient operating modes that support all of the most common pipetting applications

Pipetting (PIP Mode)

A previously set volume is aspirated into the pipette tip and then discharged.

Mixing of Samples (PIPmix Mode)

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

Reverse Pipetting (revPIP Mode)

Program especially designed for greater accuracy when pipetting liquids with a high viscosity, high vapor pressure or low surface tension.

Pipetting for Electrophoresis (GEL mode)

Program for loading of electrophoresis gels. A previously set sample volume is aspirated; then dispensed gently. Discharge may be interrupted, with the actual volume dispensed displayed. (Not available on 1000µL and 5mL instruments).

Dispensing (DISP Mode)

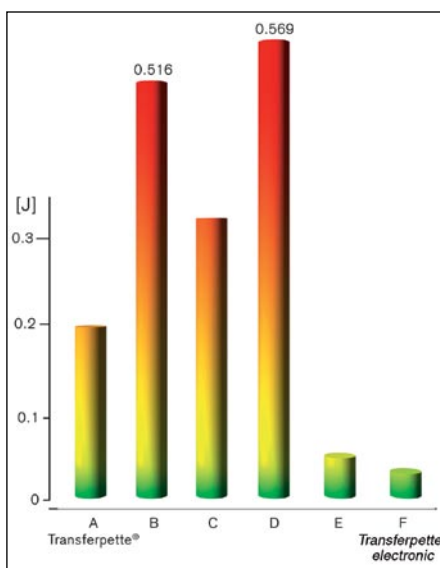
A single aspirated volume is dispensed in a selected number of smaller, equal aliquots.

Innovative Ergonomics

Reduce pipetting strain!

From the very beginning, the development of the *Transferpette® electronic* was driven by the goal of reducing the strain of pipetting without sacrificing performance. It was that focus that led to such innovations as the adjustable finger rest.

To better understand the ergonomic benefits of the *Transferpette® electronic*, examine the graphs below. They compare the energy and force required for operation of the single-channel *Transferpette® electronic* (F) with that of the mechanical *Transferpette®* (A) and four popular pipettes from other manufacturers. Pipette E is a competitive electronic pipette.

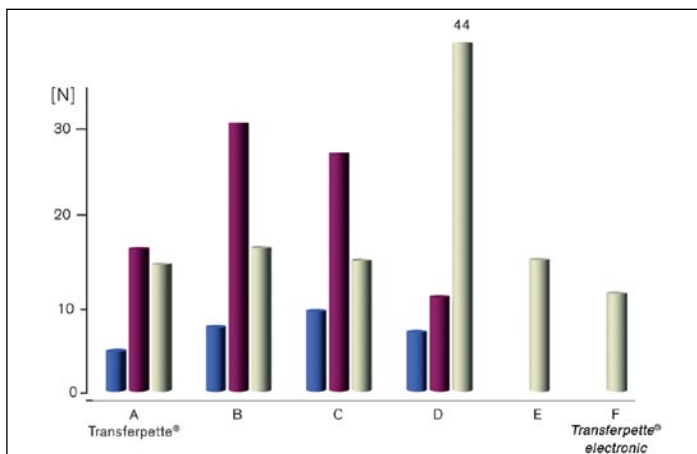


Pipetting Cycle Requirements (left)

Measure in Joules (J).

Pipetting Step Force Requirements (below)

Measured in Newton (N).
 Blue: Intake and dispensing
 Purple: blowout
 Green: ejection



NOTE: Mechanical pipettes (A-D) and electronic pipettes (E-F) from well-known manufacturers were tested with a nominal volume of 200µL. All pipettes are equipped with mechanical ejectors and only standard tips were used.

Transferpette® electronic single and multichannel pipettes

Technical Data

Operating limits and exclusions

Liquids unsuitable for use with the *Transferpette® electronic* include, but are not limited to, those with:

- high vapor pressure or high viscosity
- reagents that attack PP (single channels) or PP and FKM (multichannels)
- Temperature of instrument and reagent must be between 59° and 40°C (15° and 104°F)

Items supplied

The *Transferpette® electronic* is supplied with the following items:

- Battery
- 120V AC adapter with charging cable (except instruments 2705352, 2705355, 2705375, 2703580 and 2705385)
- One pipette tip sample pack (single channels only)
- Operating manual
- One-year warranty

Items supplied

Multichannel models also include:

- Pipette stand
- Tip-Box SL filled with appropriate tips
- Two tip refill inserts
- Reagent reservoir



ORDERING INFORMATION

Capacity µL	A* ≤ ±		CV* ≤		Subdivision µL	Type of Tip See tip chart page 15 & 21	Cat. No.	2011 List Price
	%	µL	%	µL				
Transferpette® electronic Single Channel Pipettes								
0.5-10 with AC charger	1.0	0.1	0.4	0.04	0.01	A, B, I**, J	2705302	\$463.00
2-20 with AC charger	1.0	0.2	0.4	0.08	0.02	A, B, J**	2705305	463.00
20-200 with AC charger	0.8	1.6	0.2	0.4	0.2	C, D, K**, L**, M	2705325	463.00
100-1000 with AC charger	0.6	6.0	0.2	2.0	1.0	E, F, N	2705330	463.00
500-5000 (0.5-5mL) with AC charger	0.6	30	0.2	10	5.0	G	2705335	463.00
0.5-10 without charger	1.0	0.1	0.4	0.04	0.01	A, B, I**, J	2705352	432.00
2-20 without charger	1.0	0.2	0.4	0.08	0.02	A, B, J**	2705355	432.00
20-200 without charger	0.8	1.6	0.2	0.4	0.2	C, D, K**, L**, M	2705375	432.00
100-1000 without charger	0.6	6.0	0.2	2.0	1.0	E, F, N	2705380	432.00
500-5000 (0.5-5mL) without charger	0.6	30	0.2	10	5.0	G	2705385	432.00
Transferpette®-8 electronic Eight Channel Pipette								
0.5-10	1.2	0.12	0.8	0.04	0.01	A, B, I**, J	2705400	834.00
1-20	1	0.2	0.5	0.10	0.02	A, B, J**	2705402	834.00
5-100	0.8	0.8	0.25	0.25	0.1	C, D, K**, L, M	2705408	834.00
10-200	0.8	1.6	0.25	0.50	0.2	C, D, K**, L**, M	2705410	834.00
15-300	0.6	1.8	0.25	0.75	0.2	C**, D, L**, M**	2705412	834.00
Transferpette®-12 electronic Twelve Channel Pipette								
0.5-10	1.2	0.12	0.8	0.04	0.01	A, B, I**, J	2705420	988.00
1-20	1	0.2	0.5	0.10	0.02	A, B, J**	2705422	988.00
5-100	0.8	0.8	0.25	0.25	0.1	C, D, K**, L, M	2705428	988.00
10-200	0.8	1.6	0.25	0.50	0.2	C, D, K**, L**, M	2705430	988.00
15-300	0.6	1.8	0.25	0.75	0.2	C**, D, L**, M**	2705432	988.00

Accessories

Single Channel Charging Stand - for up to three pipettes (excluding 5mL), pack of 1	705392	252.00
Single Channel Stand - for 5mL & 10mL, pack of 1	705386	81.00
AC Charger-for <i>Transferpette® electronic</i>	705352	50.00

* The value of accuracy and coefficient of variation are final test values referring to the delivered nominal volume, instrument and distilled water at equilibrium with ambient temperature (20°C/68°F) and with smooth operation.

** Please note: tip capacity may be less than capacity of pipette.

A*=Accuracy, CV*=Coefficient of Variation