

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 innovative tip-cone (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.



-1/-8/-12 channel 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.

Dedicated Controls

Each function has a dedicated control to reduce inadvertent volume changes or tip ejection.

Adjustable Finger Rest

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

Multi-position Stand Available

For an alternative to individual pipette power supplies, this stand can store and charge three *Transferpette® electronic* pipettes simultaneously (excluding 5mL and multi-channel 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

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



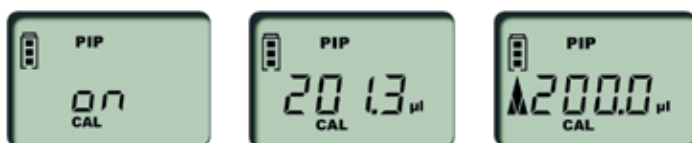
Pipettes & Tips

Transferpette® electronic single channel 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 was 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)

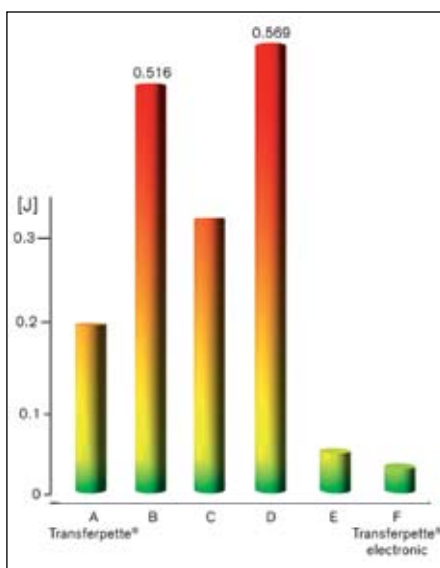
A single aspirated volume is dispensed in a selected number of smaller, equal aliquots.

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 pipette's unique nose cone and 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.

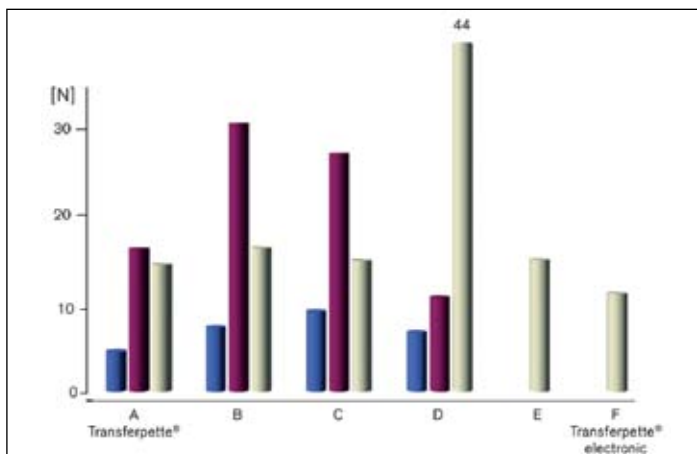


Pipetting Cycle Requirements (left)

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

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 104°F (15° and 40°C)

Items Supplied

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

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

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	Accuracy within *≤ ±		Coefficient of Variation *≤		Subdivision µL	Type of tip (see tip chart page 15)	Cat. No.	2009 List Price
	%	µL	%	µL				
Transferpette® electronic single channel instruments								
0.5-10 with AC charger	1.0	0.1	0.4	0.04	0.01	N, A, H	2705302	\$445.00
2-20 with AC charger	1.0	0.2	0.4	0.08	0.02	N, A, H**	2705305	445.00
20-200 with AC charger	0.8	1.6	0.2	0.4	0.2	B, C, I**, J**, K	2705325	445.00
100-1000 with AC charger	0.6	6.0	0.2	2.0	1.0	D, E, L	2705330	445.00
500-5000 (0.5-5mL) with AC charger	0.6	30	0.2	10	5.0	F	2705335	445.00
0.5-10 without charger	1.0	0.1	0.4	0.04	0.01	N, A, H	2705352	415.00
2-20 without charger	1.0	0.2	0.4	0.08	0.02	N, A, H**	2705355	415.00
20-200 without charger	0.8	1.6	0.2	0.4	0.2	B, C, I**, J**, K	2705375	415.00
100-1000 without charger	0.6	6.0	0.2	2.0	1.0	D, E, L	2705380	415.00
500-5000 (0.5-5mL) without charger	0.6	30	0.2	10	5.0	F	2705385	415.00
Single channel charging stand, for up to 3 pipettes (excluding 5mL)							705392	245.00
AC charger for <i>Transferpette</i> ® <i>electronic</i>							705352	49.00
Transferpette®.8 electronic eight channel pipette								
0.5-10	1.2	0.12	0.8	0.04	0.02	N, A, H	2705400	799.00
1-20	1	0.2	0.5	0.10	0.02	N, A, H**	2705402	799.00
5-100	0.8	0.8	0.25	0.25	0.2	B, C, I**, J, K	2705408	799.00
10-200	0.8	1.6	0.25	0.50	0.2	B, C, I**, J**, K	2705410	799.00
15-300	0.6	1.8	0.25	0.75	0.2	B**, C, I**, J**, K**	2705412	799.00
Transferpette®.12 electronic twelve channel pipette								
0.5-10	1.2	0.12	0.8	0.04	0.02	N, A, H	2705420	945.00
1-20	1	0.2	0.5	0.10	0.02	N, A, H**	2705422	945.00
5-100	0.8	0.8	0.25	0.25	0.2	B, C, I**, J, K	2705428	945.00
10-200	0.8	1.6	0.25	0.50	0.2	B, C, I**, J**, K	2705430	945.00
15-300	0.6	1.8	0.25	0.75	0.2	B**, C, I**, J**, K**	2705432	945.00

* Final test values relative to the nominal capacity (maximum volume) indicated on the instrument, obtained when instrument and distilled water are equilibrated at the ambient temperature (68°F/20°C), and with smooth operation.

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