NEW! HandyStep® *S*

The BRAND HandyStep® *S* repeating pipette provides unprecedented versatility in a purely mechanical repeating pipette. In conjunction with BRAND PD-Tip™ syringe tips—available in two new sizes, the HandyStep® *S* offers nearly sixty different volume settings with accuracy, precision and dependability.

- **Comfortable:** The slim design of the HandyStep® *S* is lightweight, well-balanced, and provides a convenient control layout for smooth dispensing and one handed volume selection.
- **Reliable:** Robust construction, inspired design and innovative polymers deliver a dependable instrument.
- **Ready-To-Go:** A purely mechanical design with no batteries to charge or replace means the HandyStep® *S* is ready when you are. A convenient integrated volume table provides a quick reference for dispensed volumes.
- **Flexible:** Ten sizes of PD-Tip™ syringe tips allow the HandyStep® *S* to dispense 59 different volumes. Open design allows use of third party tips—no more being locked into a sole source!
- **Contact-Free:** A tip ejection system allows the user to remove tips without handling.

More than just precise – slim, light and dependable!

BRAND®

Technical Data

Operating limits and exclusions

Liquids unsuitable for use with the HandyStep® *S* include, but are not limited to, those with:
– vapor pressure exceeding 500mbar
– viscosity: 20mPa S with 50mL PD-Tips™; 260mPa S with 5mL PD-Tips™; 977mPa S with 1mL PD-Tips™
– reagents that attack PP (PD-Tip™ cylinder), HDPE (PD-Tip™ piston), LCP (PD-Tip™ piston 0.1mL) or PC/PBT and polycarbonate
– Temperature of instrument and reagent must be between 59° and 40°C (15° and 104°F).

Items supplied

The HandyStep® *S* is supplied with the following items:

- Performance certificate
- Shelf/rack mount
- One each: 0.1mL, 1mL and 10mL PD-Tip™ syringe tips
- Operating manual
- Two-year warranty

HandyStep® *S* repeating pipette

Setting At a Glance
Large, legible volume setting indicator.

Perfectly Aligned
Optimally positioned dispensing lever for easy thumb movement.

Simple
Unified piston locking/filling lever makes aspiration easy.

Hands-Free Disposal
Ergonomic eject button, for contact-free, safe ejection of contaminated dispenser tips.

Chart Topper
Two-sided tip/volume chart assists in setting and tip selection.

Big Wheel
Volume adjustments are easily made with a simple thumb movement.

Comfortable
Finger rest is optimally located for both balance and convenient control access. Relaxed even when performing long pipetting tasks.

Shelf/Rack Mount
Shelf/rack mount to keep your HandyStep® *S* close at hand. Also retrofits to Transferpette® *S* carousel stand.

Flexible
The HandyStep® *S* is compatible with PD-Tip™ syringe tips, as well as third-party, and dealer private label tips.

Accuracy Table
HandyStep® *S* with BRAND PD-Tip™ Syringe Tips

Nominal Volume PD-Tip mL	Volume Range µL	A* ≤ ± % Stroke setting ≡ % of nominal volume			CV* ≤ % Stroke setting ≡ % of nominal volume		
		1 ≡ 2%	3 ≡ 6%	5 ≡ 10%	1 ≡ 2%	3 ≡ 6%	5 ≡ 10%
0.1	2-10	8.0	2.7	1.6	5.0	3.0	2.0
0.	10-50	4.0	1.33	0.8	1.4	0.73	0.6
1	20-100	4.0	1.33	0.8	1.0	0.38	0.4
1.25	25-125	4.0	1.33	0.8	0.8	0.38	0.3
2.5	50-250	3.5	1.17	0.7	0.8	0.3	0.2
5	100-500	2.5	0.83	0.5	0.6	0.27	0.2
10	200-1000	1.5	0.5	0.4	0.5	0.23	0.2
12.5	250-1250	1.5	0.5	0.3	0.3	0.23	0.2
25	500-2500	1.5	0.5	0.3	0.4	0.23	0.2
50	1000-5000	1.5	0.5	0.3	0.4	0.23	0.15

* Error limits refer to the partial volume set relative to the PD-Tip, obtained when instrument, PD-Tip and distilled water are equilibrated at ambient temperature (20°C/68°F) and with smooth operation. The testing is according to DIN EN ISO 8655-5.

A*=Accuracy, CV*=Coefficient of Variation

Volume settings available when using the HandyStep® *S* with PD-Tip™ Syringe Tips

	Tip Size, mL										
Setting	0.1	0.5	1	1.25	2.5	5	10	12.5	25	50	Steps
1	2	10	20	25	50	100	200	250	500	1000	49
1.5	3	15	30	37.5	75	150	300	375	750	1500	32
2	4	20	40	50	100	200	400	500	1000	2000	24
2.5	5	25	50	62.5	125	250	500	625	1250	2500	19
3	6	30	60	75	150	300	600	750	1500	3000	15
3.5	7	35	70	87.5	175	350	700	875	1750	3500	13
4	8	40	80	100	200	400	800	1000	2000	4000	11
4.5	9	45	90	112.5	225	450	900	1125	2250	4500	10
5	10	50	100	125	250	500	1000	1250	2500	5000	9
	Volume, µL										

ORDERING INFORMATION

Description	Cat. No.	2011 List Price
NEW! HandyStep® *S* Repeating Pipette	2705110	$359.00
NEW! HandyStep® *S* Shelf/rack mount	705130	26.00