

HandyStep® touch

HandyStep® touch Repeating Pipette

- Touchscreen operation with intuitive menu navigation and integrated help function
- Two models available: HandyStep® touch or HandyStep® touch S with expanded functionality

- Menu languages: English, German, Spanish, French and Chinese
- Variable volume adjustment from 1.0 µL to 50 mL
- Inductive charging with optional charging stand

A closer look

Versatile

HandyStep® touch with the standard modes Multi-Dispensing, Auto-Dispensing, Pipetting and Favorites;

HandyStep® touch S with the additional functions Sequential Dispensing, Multi-Aspiration and Titration

Long-lasting

Many hours of continuous operation with a single battery charge

Robust

High-quality materials provide long service life, and smooth surfaces make cleaning/disinfection easy

Easy

Automatic size detection of BRAND® PD-Tip™ II

Efficient

In addition to BRAND® PD-Tip™ II, compatible third party tips can also be used.

Simple

Automatic tip ejection by the press of a button prevents contamination

Convenient

Inductive charging with the optional charging stand

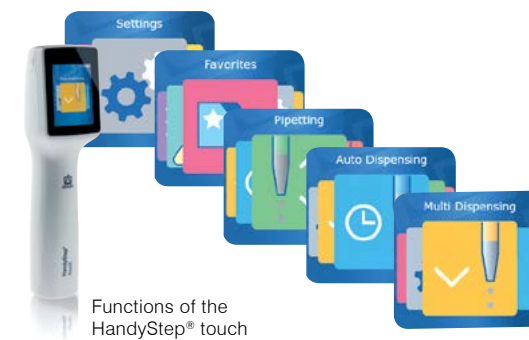
USB-C connection
For quick charging by cable

STEP button
Ergonomically arranged STEP button for effortless volume filling and delivery



Be flexible and have the right solution at hand for every application. Even complex procedures are easy to carry out – no problem with the expanded functionality of the HandyStep® touch S.

Mode	Function	HandyStep® touch	HandyStep® touch S
Multi Dispensing (MULTI-DISP)	Successive dispensing of a set volume	✓	✓
Auto Dispensing (AUTO-DISP)	Automatic dispensing by the instrument	✓	✓
Pipetting (PIP)	Pipetting a defined volume	✓	✓
Sequential Dispensing (SEQ-DISP)	Successive dispensing of different volumes	–	✓
Multi Aspirating (MULTI-ASP)	Aspirating different volumes	–	✓
Titration	Manual or successive delivery of liquids for titration	–	✓
Favorites	Saving favorites for quick access	✓	✓
Settings	Individual customization of the device (e.g. brightness or device name)	✓	✓

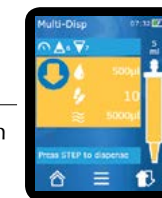


The clearly structured menus make fast work with intuitive operation possible, while the most important functions and parameters are always in view.



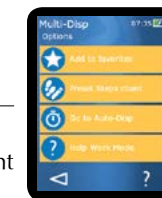
Easy to understand

Main menu with all modes for quick selection



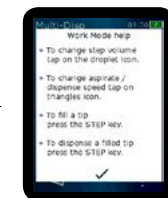
Clearly structured

Working mode with all important information



Organized

All options visible at a glance



Helpful

Internal help right where it is needed

Technical Data

Operating limits and exclusions

- Liquids unsuitable for use with the HandyStep® touch and PD-Tip™ // Precision Dispenser Tips include, but are not limited to, those with:
- Vapor pressure exceeding 500 mbar
 - Viscosity: 20 mPa S with 50 mL PD-Tips™ //; 260 mPa S with 5 mL PD-Tips™ //; 977 mPa S with 1 mL PD-Tips™ //
 - Chemicals incompatible with tips used, see page 30 for PD-Tip™ // materials of construction ; and polycarbonate (device housing)
 - Temperature of instrument and reagents must be between 15° and 40° C
 - The HandyStep® touch cannot be autoclaved

Items supplied

- Each HandyStep® touch includes:
- Li-Ion battery
 - Universal power adapter
 - Shelf/rack mount
 - Five assorted volume PD-Tip™ // Precision Dispenser Tips
 - Performance certificate
 - Operating manual
 - One-year warranty

Use the tips you want

- The only electronic repetitive pipette compatible with all standard repeating pipette tips. The HandyStep® touch accepts:
- BRAND® PD-Tip™ // Precision Dispenser Tips
 - BRAND® PD-Tip™ Precision Dispenser Tips
 - Rainin® Encode™ Precision Dispenser Tips
 - Eppendorf® Combitips advanced®
 - Fisherbrand® Dispenser Tips
 - VWR® Combi-Syringes
 - Gilson® Repet-Tips

Accuracy and precision for the HandyStep® touch

PD-Tip™ //	Volume Range	Volumes		A* < ±				CV* ≤			
		Between	Increment	100%	50%	10%	1%	100%	50%	10%	1%
0.1 mL	1 µL-100 µL	1 µL-100 µL	0.1 µL	1.0	1.0	1.6	8.0	0.5	1.0	2.0	12
0.5 mL	5 µL-500 µL	5 µL-100 µL	0.1 µL	0.9	0.9	1	5.0	0.3	0.6	1.0	5.0
		100 µL-500 µL	1 µL								
1.0 mL	10 µL-1000 µL	10 µL-1000 µL	1 µL	0.6	0.9	1.0	5.0	0.3	0.5	0.8	4.0
		12.5 µL-100 µL	0.5 µL								
1.25 mL	12.5 µL-1250 µL	100 µL-1000 µL	1 µL	0.6	0.6	0.9	5.0	0.2	0.5	0.7	4.0
		1 mL-1.25 mL	10 µL								
2.5 mL	25 µL-2500 µL	25 µL-1000 µL	1 µL	0.5	0.6	0.7	3.5	0.15	0.3	0.6	3.0
		1 mL-2.5 mL	10 µL								
5.0 mL	50 µL-5000 µL	50 µL-1000 µL	1 µL	0.5	0.5	0.7	3.5	0.15	0.4	0.7	3.0
		1 mL-5 mL	10 µL								
10.0 mL	100 µL-10 mL	100 µL-10 mL	10 µL	0.4	0.5	0.7	3.5	0.15	0.5	0.8	4.0
		125 µL-1000 µL	5 µL								
12.5 mL	125 µL-12.5 mL	1 mL-10 mL	10 µL	0.5	0.5	0.8	3.5	0.15	0.6	1.4	6.5
		10 mL-12.5 mL	100 µL								
25.0 mL	250 µL-25 mL	250 µL-10 mL	10 µL	0.5	0.5	0.6	3.0	0.15	0.3	1.0	6.0
		10 mL-25 mL	100 µL								
50.0 mL	500 µL-50 mL	500 µL-10 mL	10 µL	0.5	0.5	0.5	3.0	0.15	0.4	1.2	9.0
		10 mL-50 mL	100 µL								

A* = Accuracy, CV* = Coefficient of variation

*Error limits refer to the nominal volumes and partial volumes relative to the PD-Tip™ // obtained with instrument and distilled water at equilibrium with ambient temperature at 20° C. . The tolerances specified in ISO 8655 are not exceeded. The nominal (100%) volume is the maximum volume which is printed on the PD-Tip™ //.



Multi dispensing with the HandyStep® touch and PD-Tip™ //



Sequential dispensing with the HandyStep® touch and PD-Tip™ //

BRAND® encoded PD-Tip™ // Precision Dispenser Tips are manufactured from high-quality virgin plastics for use with all standard repeating pipettes in a wide variety of applications.

- **Compatible**—with most pipettes. PD-Tip™ // Precision Dispenser Tips are an excellent choice for the BRAND® HandyStep® S, HandyStep® electronic, and HandyStep® touch repeating pipettes; the black-handled Eppendorf® Repeater® 4780*; the Fisherbrand® repeating pipette; the Rainin® AutoRep™ E and AutoRep™ S; the Gilson® Repetman®; and other repeating pipettes using standard tips. PD-Tip™ // Precision Dispenser Tips are encoded for automatic recognition by the BRAND® HandyStep® touch and HandyStep® electronic repeating pipettes, the Rainin® AutoRep™ E, and the Gilson® Repetman®.
- **Reliable**—A precision seal between the piston and cylinder ensures smooth operation, increased accuracy, and increased precision. Extended piston design minimizes dead volume and maximizes fluid utilization.
- **Quality**—Manufactured from high quality materials PD-Tip™ // Precision Dispenser Tips are made entirely from high-quality virgin polyethylene and polypropylene. (Piston of 0.1 mL tip is liquid crystal polymer-LCP).



Support stand with HandyStep® touch



Inductive charging with the optional charging stand

Description	Cat. No.	2019 Cat. No.
HandyStep® touch	705200	\$1,055.00
HandyStep® touch S	705210	1,299.00
Charging stand	705220	345.00
Support stand	705230	144.00
Shelf/rack mount	705235	35.00
Universal AC adapter	705250	85.00
Spare battery	705225	80.00