

Versatile - Compatible - Simple to operate!



HandyStep[®] electronic

F I R S T C L A S S · B R A N D

- **7.01 μ l - 70.1 μ l - 1.01 ml - 11.4 ml?**
Any volume you require, from 1 μ l to 50 ml
- **Automatic tip size recognition** of the new PLASTIBRAND[®] PD-Tips with size encoding
- **Compatible system** will accept most third-party dispenser tips
- **Versatile operation** with 3 modes: Dispensing - Automatic Dispensing - Pipetting
- **Learn function (Teach-in)** for individual adjustment of intervals in automatic dispensing
- **Separate speed adjustment** for filling and dispensing
- **NiMH battery pack** - easy to replace



Very simple operation

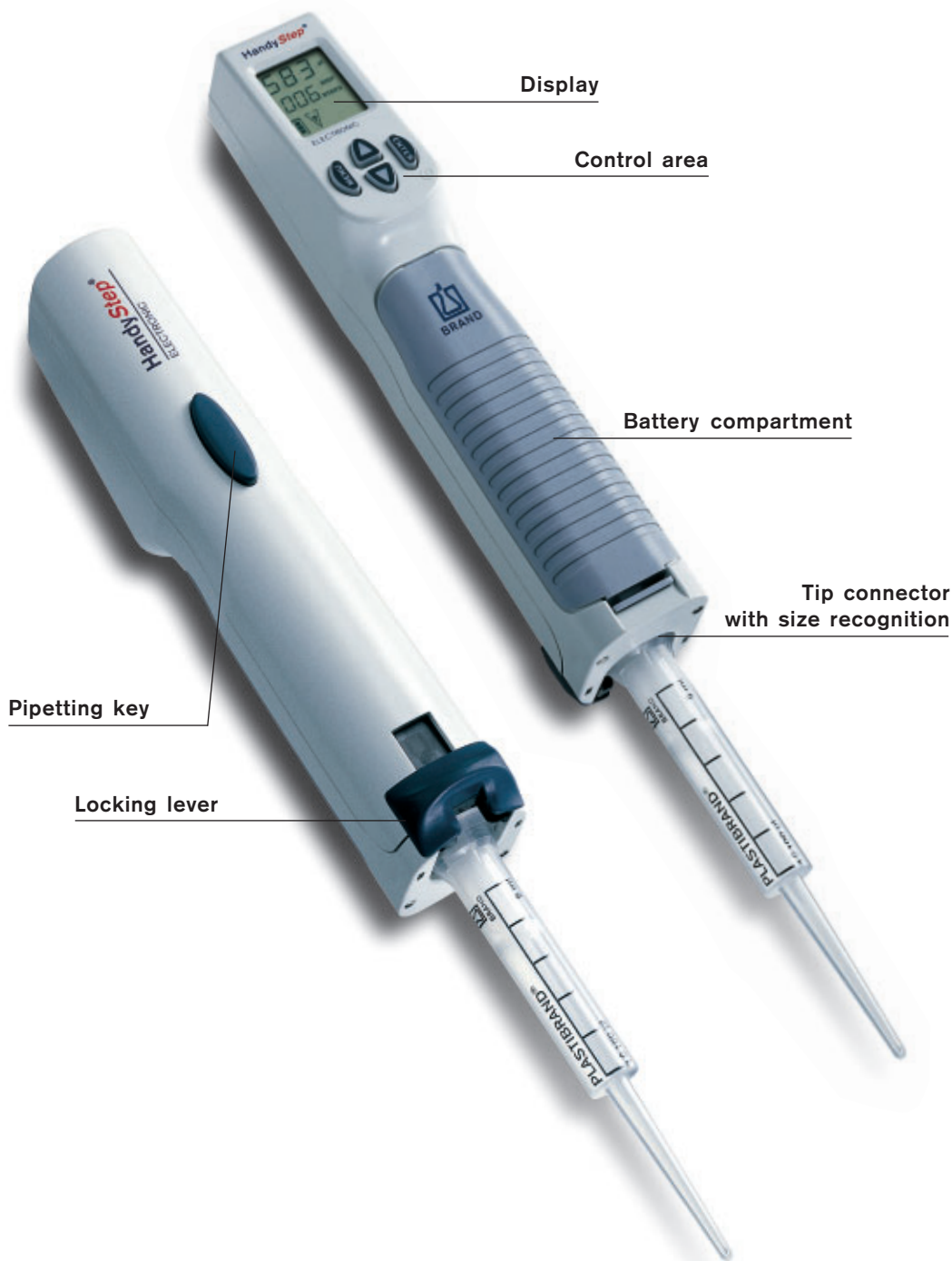
Intuitive, push-button control

Simple operation, intuitive menu guide

The HandyStep® electronic is a microprocessor-controlled battery-operated repetitive pipette with automatic tip size recognition for PLASTIBRAND® PD-Tips. It is designed to make work fast and convenient.

7.01 µl - 70.1 µl - 1.01 ml - 11.4 ml? No problem!

The continuous volume adjustment from 1 µl to 50 ml permits individual volume selection for serial dispensing in routine and critical applications. No hassle with recalculating: it's a real time saver!



The charging dock - intelligent recharging without down-time

The HandyStep® electronic is powered by a rechargeable NiMH battery pack. The battery is automatically recharged by placing the instrument into the charging dock.

To avoid any down-time, a second battery pack can be charged in the dock while working with the HandyStep® electronic. The instrument will be ready

to use at all times. The battery can be replaced in just a few seconds, and all stored data are preserved

while the battery is being replaced. The advanced NiMH batteries do not suffer from the me-

more effect associated with conventional NiCd batteries.



Clear design

All information at a glance!

Instant recognition

All settings and operating details of the HandyStep[®] electronic are displayed large and clear.



PD-Tip recognition



Filling operation



3 functions

Dispensing, Automatic Dispensing, Pipetting

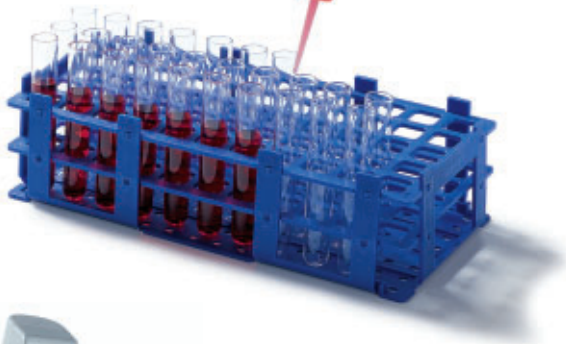
The HandyStep® electronic provides three different functions:

1. Dispensing (DISP)
 2. Automatic Dispensing (AUTO-DISP)
 3. Pipetting (PIP)
- ... and all with continuously variable volume!



Dispensing (DISP) the standard mode

A predefined volume is dispensed repeatedly.



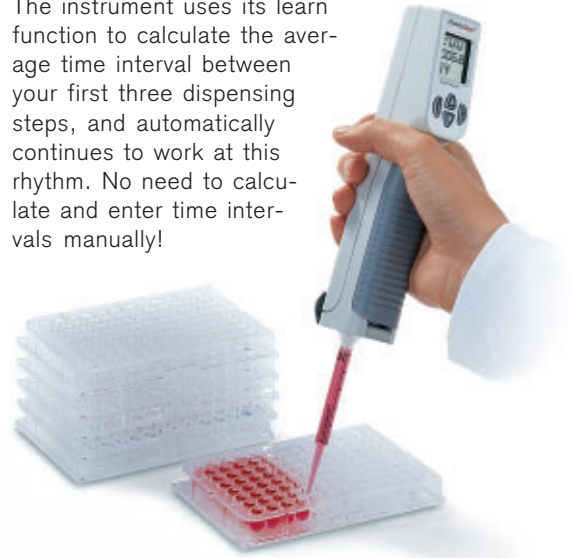
Pipetting (PIP)

Works like a positive displacement pipette. A predefined volume is taken up and discharged again.



Automatic Dispensing (AUTO-DISP)

The instrument uses its learn function to calculate the average time interval between your first three dispensing steps, and automatically continues to work at this rhythm. No need to calculate and enter time intervals manually!



Automatic tip size recognition!

The new PLASTIBRAND® PD-Tips

The ideal combination: PLASTIBRAND® PD-Tips and HandyStep® electronic

The HandyStep® electronic saves time and prevents errors through automatic tip size recognition of the new PLASTIBRAND® PD-Tips. The size of these tips is encoded in their piston. After inserting the tip, the size is automatically recognized and displayed, making it easy to select the volume to be dispensed. When a new PD-Tip of the same size is inserted, all instrument settings are maintained.

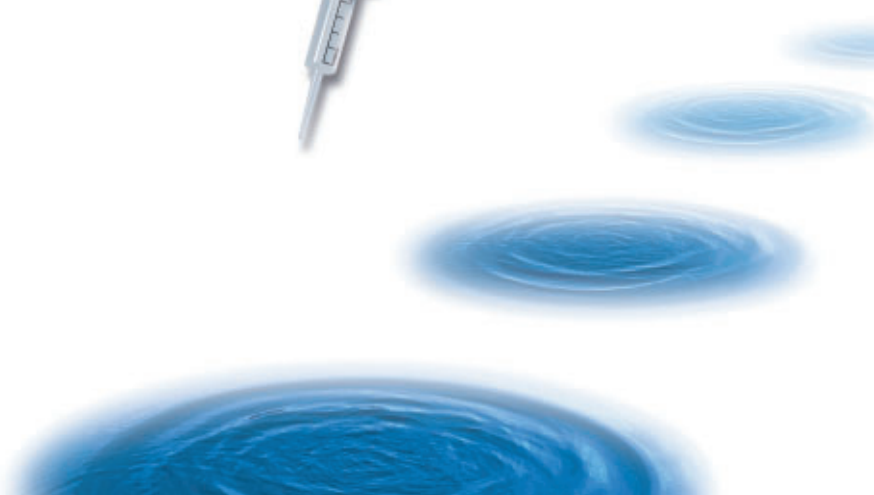
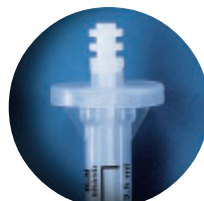
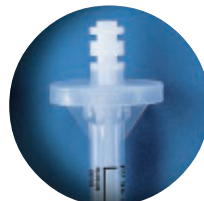


PD-Tips - versatile as before.

The new PD-Tips, with size-encoding, continue to fit the HandyStep®, Multipette® 4780/Repeater™, EDOS® 5221 and other compatible repeating pipette systems.

Compatible with third- party dispenser tips!

The special tip connector of the HandyStep® electronic will accept most common dispenser tips such as Combitips®, Combitips® plus, and others. Simply enter the tip size manually.





HandyStep® electronic

incl. NiMH battery and charging dock, with AC adapter for Europe (continental), 230 V/50 Hz

Cat. No. 7050 00

with AC adapter for UK/Ireland, 230 V/50 Hz

Cat. No. 7050 01

with AC adapter for USA/Japan, 110 V/50-60 Hz

Cat. No. 7050 02

with AC adapter for Australia, 240 V/50 Hz

Cat. No. 7050 03

Spare NiMH battery pack

Cat. No. 7050 25

Technical data

Ordering information



PLASTIBRAND® PD-Tips (Precision Dispenser Tips), with tip size encoding

Capacity ml	Pack of	non-sterile Cat. No.	sterile** Cat. No.
0.1	100	7024 02	7024 04
0.5	100	7023 70	7023 84
1.25	100	7023 72	7023 86
2.5	100	7023 74	7023 88
5.0	100	7023 76	7023 90
12.5	100	7023 78	7023 92
25.0*	50/25***	7023 80	7023 94
50.0*	25	7023 82	7023 96

* incl. 1 adapter, ** sterile/endotoxin-free, packed individually, *** Size 25 ml: non-sterile in pack of 50; sterile in pack of 25

Adapter for size 25 and 50 ml, PP, autoclavable

non-sterile, pack of 10 pcs.

Cat. No. 7023 98

sterile, pack of 5 pcs.

Cat. No. 7023 99



PD-Tips

Performance Data HandyStep® electronic with PLASTIBRAND® PD-Tips

PD-Tip Size	Volume range	A* (±%) at indicated % of nominal capacity				CV* (%) at indicated % of nominal capacity			
		100%	50%	10%	1%	100%	50%	10%	1%
0.1 ml	1.0 µl - 100 µl	1.0	1.2	1.6	16	0.5	1.0	2.0	12
0.5 ml	5.0 µl - 500 µl	0.9	0.9	0.9	9	0.25	0.5	1	6
1.25 ml	12.5 µl - 1250 µl	0.6	0.6	0.9	8	0.15	0.3	0.6	3.5
2.5 ml	25.0 µl - 2500 µl	0.5	0.5	0.8	8	0.1	0.2	0.4	2.5
5.0 ml	50.0 µl - 5000 µl	0.5	0.5	0.8	8	0.08	0.15	0.3	1.5
12.5 ml	125 µl - 12.5 ml	0.4	0.4	0.5	5	0.08	0.15	0.25	1.25
25.0 ml	250 µl - 25 ml	0.3	0.3	0.3	3	0.08	0.15	0.25	1.25
50.0 ml	500 µl - 50 ml	0.3	0.3	0.3	3	0.08	0.15	0.25	1.25

* A = Accuracy, CV = Coefficient of Variation

The tolerances defined in ISO 8655 are not exceeded.

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