



PHOENIX
Instrument

Solutions for the Lab



Liquid Handling

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The Idea...	PHOENIX INSTRUMENT start with a new concept to comply customer demands for high-quality but also well-priced laboratory instruments.
The Implementation...	Absolute customer orientation and satisfaction is the focus of all activities of PHOENIX INSTRUMENT.
Your Benefit...	As our customer you will take advantage of our long market experience, the attractive prices and the short delivery times. We guaranty comprehensive and competent consultations in all aspects and will always listen to your wishes, ideas and suggestions. It goes without saying that PHOENIX INSTRUMENT offers a technical service, if required.

Liquid Handling

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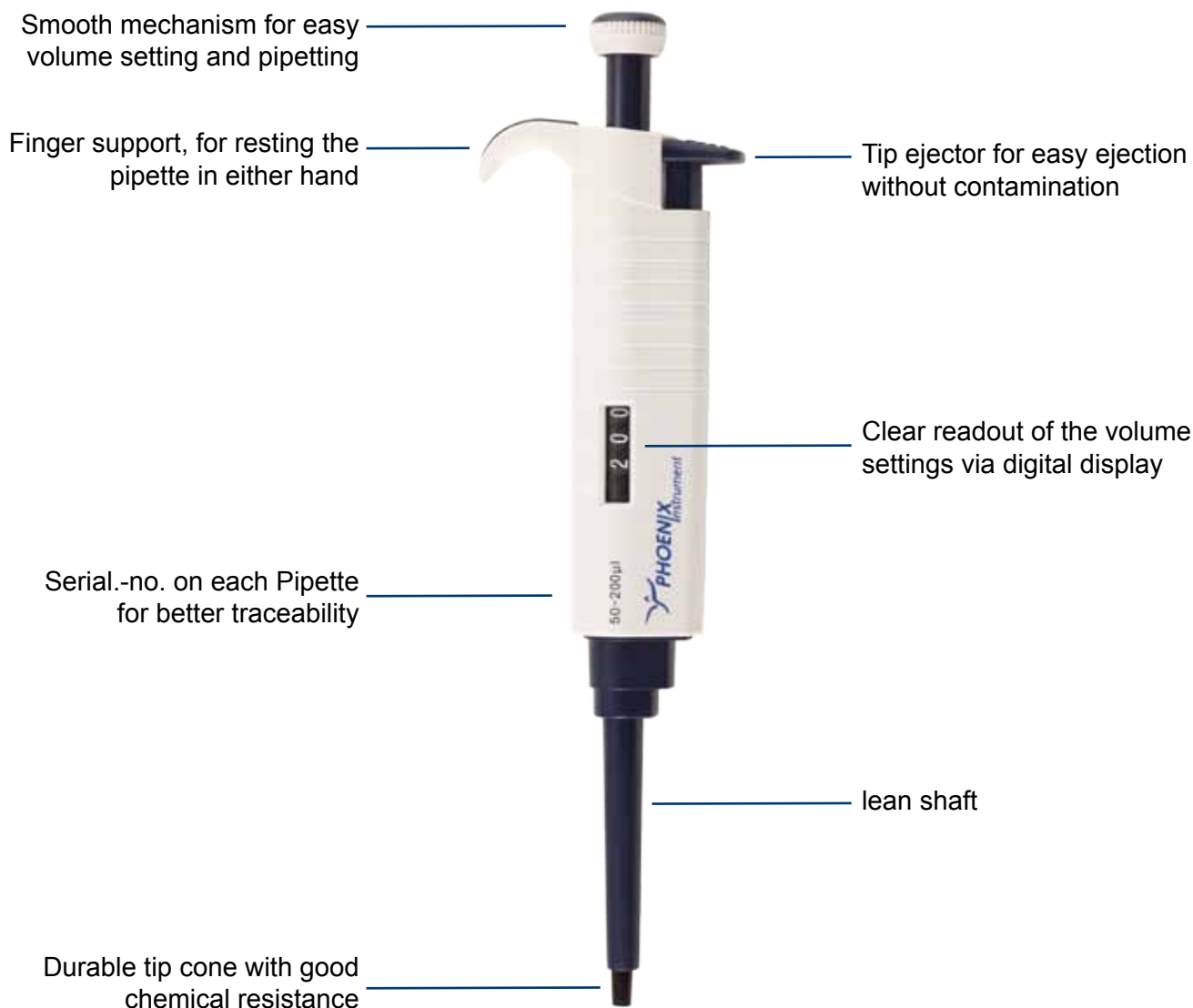
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Pipetting is one of the most important tasks in the laboratory.

The new pipettes and pipette filler from PHOENIX INSTRUMENT offer a high level of ease of use at a very good price/performance ratio and the user must abstain neither from precision nor from an ergonomic design.

Phoenix Pipettes, variable and fix single- and multichannel pipettes

- lightweight, ergonomic, low force design
- suitable for both left and right-handed users
- easy to calibrate and maintain with tool supplied
- fully autoclavable (model LHP2 only)
- calibration certificate according to DIN ISO 12650
- easy volume adjustment
- smooth tip ejection
- compatible with a wide range of tips
- 2 years warranty



Single channel pipettes with variable volume

Model and Cat.-no	Inaccuracy* (+/- in %)	Imprecision* (< %)	Volumes
LHP1-V01	3,00	3,00	0,1 -2,5 µl
LHP1-V05	1,50	1,50	0,5 -10 µl
LHP1-V2	1,20	1,00	2 -20 µl
LHP1-V5	0,90	0,60	5 -50 µl
LHP1-V10	1,00	0,40	10 -100 µl
LHP1-V20	0,80	0,30	20 -200 µl
LHP1-V50	0,80	0,30	50 -200 µl
LHP1-V100	0,70	0,25	100-1000 µl
LHP1-V200	0,70	0,25	200 -1000 µl
LHP1-V1000	0,60	0,30	1000 -5000 µl



Single channel pipettes with fix volume, autoclavable

Model and Cat.-no	Inaccuracy* (+/- in %)	Imprecision* (< %)	Volumes
LHP2-F5	1,30	1,20	5 µl
LHP2-F10	0,80	0,80	10 µl
LHP2-F20	0,60	0,50	20 µl
LHP2-F25	0,50	0,30	25 µl
LHP2-F50	0,50	0,30	50 µl
LHP2-F100	0,50	0,30	100 µl
LHP2-F200	0,40	0,20	200 µl
LHP2-F250	0,40	0,20	250 µl
LHP2-F500	0,30	0,20	500 µl
LHP2-F1000	0,30	0,20	1000 µl
LHP2-F2000	0,30	0,15	2000 µl
LHP2-F5000	0,30	0,15	5000 µl



* Measurements for all variable pipettes are made in the minimum, mean and maximum volume.
The data shown are based on the mean volume.

Single channel pipettes with variable volume, autoclavable

Model and Cat.-no	Inaccuracy* (+/- in %)	Imprecision* (< %)	Volumes
LHP2-V01	3,00	3,00	0,1 -2,5 µl
LHP2-V05	1,50	1,50	0,5 -10 µl
LHP2-V2	1,20	1,00	2 -20 µl
LHP2-V5	0,90	0,60	5 -50 µl
LHP2-V10	1,00	0,40	10 -100 µl
LHP2-V20	0,80	0,30	20 -200 µl
LHP2-V50	0,80	0,30	50 -200 µl
LHP2-V100	0,70	0,25	100-1000 µl
LHP2-V200	0,70	0,25	200 -1000 µl
LHP2-V1000	0,60	0,30	1000 -5000 µl



8-channel pipettes with variable volume, autoclavable

Model and Cat.-no	Inaccuracy* (+/- in %)	Imprecision* (< %)	Volumes
LHP2-810	2,50	2,50	0,5 -10 µl
LHP2-820	1,50	1,00	5 -50 µl
LHP2-830	1,00	0,50	50 -300 µl



12-channel pipettes with variable volume, autoclavable

Model and Cat.-no	Inaccuracy* (+/- in %)	Imprecision* (< %)	Volumes
LHP2-1210	2,50	2,50	0,5 -10 µl
LHP2-1220	1,50	1,00	5 -50 µl
LHP2-1230	1,00	0,50	50 -300 µl

Pipette calibration:

To secure your quality in the lab we are offering a calibration service according to DIN EN ISO 8655 for all your pipettes. It goes without saying that we do the calibration for the pipettes of other manufacturers as well. Our technicians make sure, that you will achieve precise and reliable results with your pipettes within a little while.

Dispenser

The dispensers covers a volume range of 0,5-50 ml. They have an excellent chemical resistance and are fully autoclavable at 121 °C. They are easy to clean and maintain.

Model	Description
LHD-V05	Dispenser 0,5-5 ml, with adapter GL 25-45
LHD-V1	Dispenser 1-10 ml with adapter GL 25-45
LHD-V2	Dispenser 2,5-25 ml with adapter GL 25-45
LHD-V5	Dispenser 5-50 ml with adapter GL 25-45



LHP-PH02 – pipette controller for all pipettes up to 100 ml

The well-priced pipette controller can be used for all pipettes up to 100 ml. It is robust, but lightweight, easy to use and allows comfortable and precise pipetting. It has an integral and replaceable 3 µm Filter.

Model	Colour
LHP-PH02	blue
LHP-PH03	red
LHP-PH04	green
LHP-PH05	yellow
LHP-PH06	pink



LHP-PH01 – electronic pipette filler for all pipettes up to 100ml

The strong pump of the LHP-PH 01 offers 8 different aspirate speeds. The LCD-Display indicates the speed as well as the status of the rechargeable accu. Aspiration and discharging will be controlled by two different knobs. The capacity of the strong accu is approx. 12 hours without charging. The controller is equipped with a built-in hydrophob filter which is replaceable. A fatigue-proof over hours is not a problem. The units are delivered with charging cable and wall-holder.

Cat.-no.	LHP-PH01
Aspirate speeds	8
Accu	Li/Ion-Accu, charging time approx.2 hrs
Accu run time	approx. 12 hrs under normal conditions
Pipette types	Glass- and plastic up to 100 ml
Display	LCD to display speed and accu status
Filter	0.45 µm hydrophob



Pipette tips:

LHP-PS 10	Pipette tips 0,5 - 20ul, bag á 1000 pcs
LHP-PS 12	Pipette tips 1 - 200ul yellow, bag á 1000 pcs
LHP-PS 14	Pipette tips 100 - 1000 ul blue, bag á 1000 pcs
LHP-PS 16	Pipette tips 1,0 - 5,0 ml, bag á 300 pcs
LHP-PS 20	Multirack (red box), Pipette tips 0,5-20 ul, 10 x 96 pcs
LHP-PS 22	Multirack (red box), Pipette tips 1-250 ul, 10 x 96 pcs
LHP-PS 30	Multibox for MultiTray, refillable
LHP-PS 32	MultiTray Re-fill pack, Pipette tips 0,5-20 ul, 10 x 96 pcs
LHP-PS 34	MultiTray Re-fill pack, Pipette tips 1-250 ul, 10 x 96 pcs
LHP-PS 40	Pipette tip with aerosolfilter, sterilized, Pipette tips 0,1-10 ul, 10 x 96 pcs
LHP-PS 42	Pipette tip with aerosolfilter, sterilized, Pipette tips 1-200 ul, 10 x 96 pcs
LHP-PS 44	Pipette tip with aerosolfilter, sterilized, Pipette tips 100-1000 ul, 16 x 60 pcs



Pipette stands:

LHP-PS01	Pipette stand linear, for 5 Pipettes
LHP-PS02	Pipette stand round, for 6 Pipettes



Solutions for the Lab

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Accessories Dispenser:

LHD-A1	GL-Adapter, 45/40 mm
LHD-A3	GL-Adapter, 45/32 mm
LHD-A5	GL-Adapter, 45/38 mm
LHD-A7	GL-Adapter, 32/25 mm
LHD-A9	GL-Adapter, 32/28 mm



Accessories Pipette Controller:

LHP-PH10	3 x replaceable filter for electronic pipette filler, 0,45 µm
LHP-PH40	Replacement silicon adapter for electronic pipette filler
LHP-PH42	Replacement accu for electronic pipette filler
LHP-PH30	3 x Replacement filter 3 µm

