



# Orbit mini

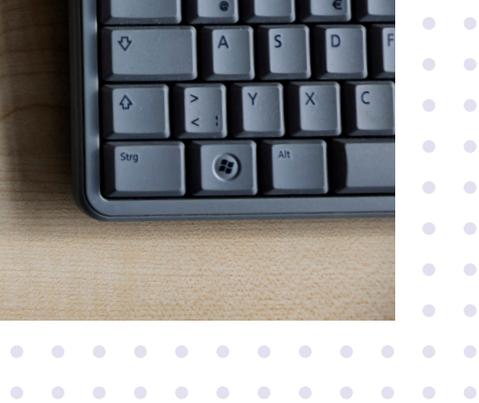
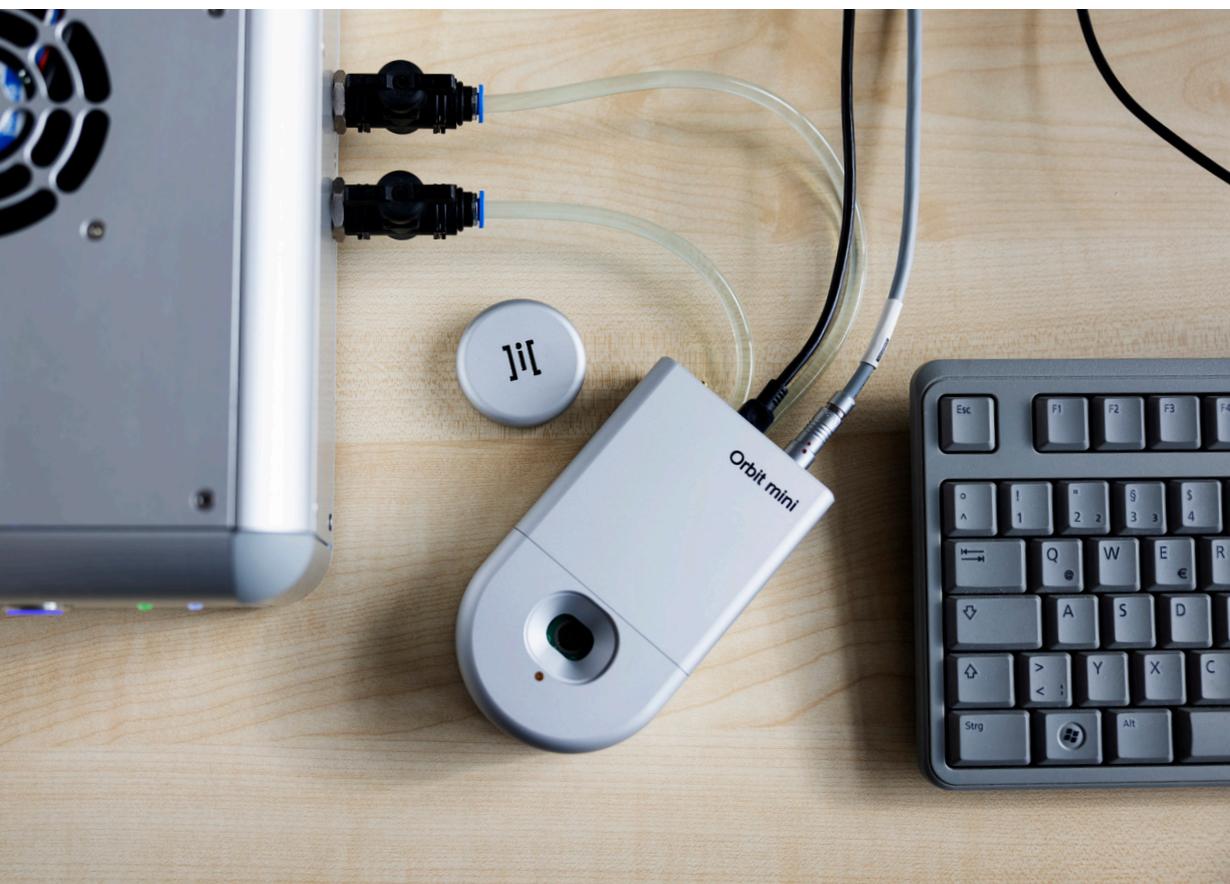
Plug and paint



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## Key features at a glance

- 1** Standalone turn-key system with extremely small footprint
- 2** Integrated four channel low-noise amplifier (Elements S.R.L.)
- 3** Optional temperature control—automated active cooling and heating
- 4** Low noise recordings at highest bandwidths
- 5** Increased throughput due to four simultaneous recordings
- 6** Target molecules can be introduced directly or by fusion of (proteo-)liposomes
- 7** Dedicated comprehensive recording software included
- 8** Cost-efficient experiments with disposable MECA 4 chips (Ionera Technologies)



# Turn-key device for parallel lipid bilayer recordings

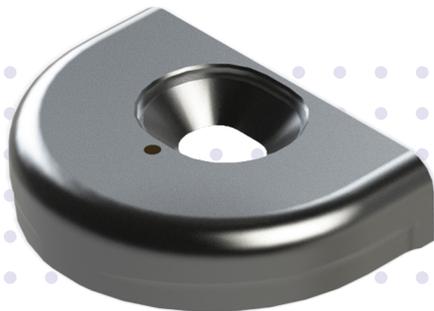
## Outer aluminum lid

Complete protection of experiments towards the environmental surroundings. Optimization of temperature controlled experiments.



## MECA 4 chip consumables

The MECA (Micro Electrode Cavity Array) recording substrate contains a 2x2 array of circular microcavities in a highly inert polymer. Each cavity contains an individual integrated Ag/AgCl microelectrode. The bilayer is formed by painting, with high success rates for functional bilayers.



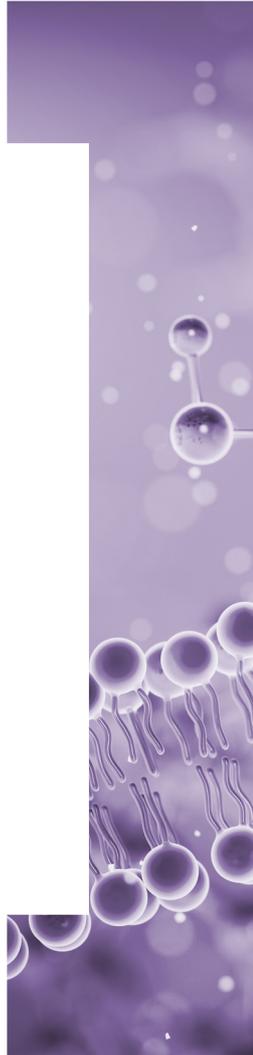
## Faraday shield

Covering the recording chip and serving as Faraday cage while still providing full access to the chip for buffer exchange and compound addition.

## Main recording unit

A complete Orbit mini platform consists of the main recording unit, housing a built-in four channel amplifier (Elements S.R.L.) allowing easy access to bilayer experiments.

# accelerate your research



## nanion Europe

info@nanion.de

phone: +49 89 2190 95-0

[www.nanion.de](http://www.nanion.de)

## nanion USA

info@naniontech.com

phone: 1-888-9-NANION

[www.naniontech.com](http://www.naniontech.com)

## nanion China

andy.di@nanion.cn

phone: +86 10 82 17 6388

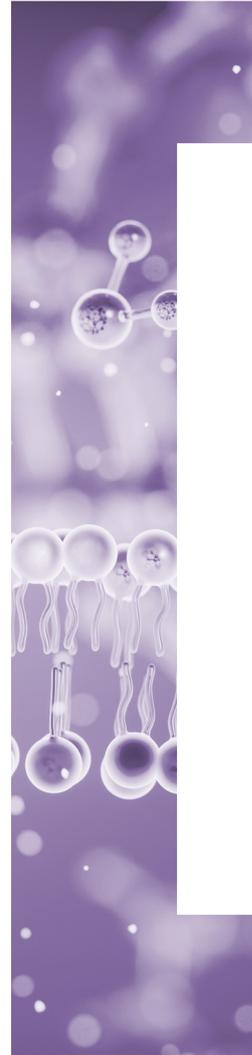
[www.nanion.cn](http://www.nanion.cn)

## nanion Japan

info@nanion.jp

phone: +81 3 6457 8773

[www.nanion.jp](http://www.nanion.jp)



To find your nearest Nanion  
representative, visit our website:  
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