

# CyBio

An Analytik Jena Company

## CyBi®-SELMA

Semi-automatic 96- or 384-channel pipettor



CyBi®-SELMA. **Better working.**

# S Application Electronic Multi-Channel Semi-Automatic Liquid Handling

**Inspiring technology making pipetting so much easier.** CyBi®-SELMA is a semi-automatic pipettor which works fast, precisely and in a reproductive manner. Equipped with 96 or 384 parallel working channels, 96- and 384-well microplates can be rapidly filled. All movements and processes that are crucial for high precision and reproduction are performed by reliable drives. This guarantees excellent and consistent results every time.



CyBi®-SELMA is extremely easy to operate without the need for a separate computer control system. Pipetting, dispensing and many other pipetting modes are easily selected on a modern touch screen. The touch screen also displays the required parameters, for example volume and pipetting speed, the process can then be started. All manual tasks, such as changing the microplates, are shown on the display screen. Thus, guaranteeing a fast and precise processing of the microplates.

For CyBi®-SELMA, using various types of microplates is self-explanatory. In order to reach the optimum depth of tip immersion in each microplate individual well, the pipetting head can be brought into the right position thanks to an easy-to-use adjusting dial. For recurrent processes, the selected settings for pipetting height, volume and speed can be saved and thus recalled at any time as needed.

CyBi®-SELMA

Pipetting - Aspirate

tip: 21.0 mm

vol: 50.0 µl, Speed: 50.0 µ/s, Mixwell: 20.0 µl, Merge: 50 µl (1:1)

Aspirate ...



CL700125-900

2503II



**E**  
Electronic

# Application Multi-Channel Semi-Automatic Liquid Handling



# Liquid Handling Application

## Semi-Automatic Multi-Channel Electronic

The CyBi®-SELMA family comprises six different pipetting heads with both 96-and 384-channels which are covering the volume range from 0.5 µl up to 1000 µl.

Thus, it is easy for the customer to choose the CyBi®-SELMA version optimally matching the volume range for the applications to be performed.

### Precise technology in every detail.

Pipetting channels.....	96 or 384
Processing column by column.....	yes
Tip types 96.....	25 µl, 60 µl, 250 µl or 1000 µl <sup>***</sup>
Tip types 384.....	25 µl or 60 µl
Volume range.....	0.5 µl – 25 µl, 1 µl – 60 µl
.....	5 µl – 250 µl, 10 µl – 1000 µl
Precision 25 µl pipetting head (96 or 384).....	2 – 5 µl ≤ 2% CV
.....	> 5 – 25 µl ≤ 1% CV
Precision 60 µl pipetting head (96 or 384).....	3 – 5 µl ≤ 2% CV
.....	> 5 – 60 µl ≤ 1% CV
Precision 250 µl pipetting head.....	10 – 25 µl ≤ 2% CV
.....	> 25 – 250 µl ≤ 1% CV
Precision 1000 µl pipetting head.....	25 – 100 µl ≤ 2% CV
.....	> 100 – 1000 µl ≤ 1% CV
Microplate formats.....	96, 384, shallow and deep well
Work positions.....	2
Dimensions (W/H/D).....	307 x 480 x 325 mm <sup>*</sup>
Weight.....	approx. 18 kg <sup>**</sup>
Working conditions.....	15 °C to 37 °C
Humidity.....	< 85 % at 30 °C

\* CyBi®-SELMA 96/1000µl H=520

\*\* CyBi®-SELMA 96/1000 µl approx. 20 kg

\*\*\* 1 ml-tips available as standard and pre-sterilized with filter

# M Application Semi-Automatic Electronic Multi-Channel Liquid Handling



## **Precision with sophisticated technology.**

CyBi®-SELMA consists of 96 or 384 pipetting channels which enable a safe and error-free transfer of 96 or 384 samples in a single step. Sample mix-ups or the neglect of individual wells are now a thing of the past.

The high quality tips and the proven tip sealing principle have been successfully applied for more than 20 years in the high-throughput area and have provided extremely accurate and reliable results.

**A**  
Application

# Liquid Handling Semi-Automatic Multi-Channel Electronic



## **Flexibility that inspires.**

With different reservoirs and trays for reagents CyBi®-SELMA enables a large selection of applications. Thus, the 96- and 384-well microplates are replicated and reformatted or filled with buffer in a fast and reliable manner. Thanks to special tip magazines, CyBi®-SELMA is also able to process individual columns, and serial dilution series can be created easily and accurately.

CyBi®-SELMA offers the possibility to react to different liquids and to adjust the pipetting speeds to the appropriate conditions without compromising intuitive operation.

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