

Auto Sampler SAM 2.1



Technical specifications:

Movement distance:

Main axis: 340 mm

Axis of leg: 160 mm

Axis of lifting: 130 mm

Precision:

0,25 mm 0,03 mm 0.0785 mm

Working belt:

Cannula holder for several cannulas

Working Area: Several racks for numerous cylindrical vessels

Interface:

RS232 for control unit

RS232 for external pipettor device

Extra function: Stirrer funktion for topical position of sample

Design: Execution of design in request or in order of customer

Brief description:

- automatically transfer of liquid samples into analytical devices
- economize of personnel, because cancelling of monotonous work
- improving of precision of working procedures, because reproduce-able process
- avoid of mistakes, initiated of subjective reasons
- position in 3 directions with powerful stepping drives and with a very high precision
- saving more than 100 samples in the work area, depending on the version of the rack
- optional stirring function for the current sample with an integrated magnetic stirrer
- variable geometry of the device and possibility to adapt it for different applications
- for communication an IBM-compatible PC with RS232 interface can be used
- the interface protocol is designed so that the movements of all steppers can be controlled in detail for each direction of movement and number of steps to be agreed
- stirrer speeds are to be agreed additionally, the acceleration and braking of the drives is realized inside the device
- also an external pipetting device can be controlled with the interface connector of the autosampler