

PRO LIQUID

Sample Preparation for Analytical Chemistry



AutoDiluter-5.1

Metal-free

Easy operation and maintenance

Dispensing range from 0.5 to 10 000 μL per pump stroke, depending on the pump head

Highest precision, even for small liquid volumes

Temperature resistant up to 120 °C

Can be used even for viscous liquids

Can optionally be combined with the ALS-100_{plus}/ALS-300_{plus} or the CETAC ASX 260/510/510 HS and 510 ER autosamplers

Dilution and Cleaning Station – the cost-saving alternative in the routine and ultratrace laboratory

The preparation of dilutions is one of the most frequent repetitive operations in the laboratory. Whether for waste water or soil analysis, environmental analysis, or decomposition solutions, a dilution step prior to measurement by AAS, ICP-OES or ICP-MS is a normal step in the analytical procedure. In many cases you can perform the dilutions using your analytical instrument, but to do so you require expensive gases and energy. Off-line dilution is economical and saves time and energy. Errors are reduced to a minimum due to the high precision of the pumps, and human error is virtually excluded. AutoDiluter-5.1 dispenses and dilutes, either manually or PC-controlled, rapidly, reliably and with unerring precision over long periods of time.

The cleaning of containers is another time and personnel intensive procedure in the ultratrace laboratory. AutoDiluter-5.1 can be extended with the optional cleaning station. Under full PC control, containers can be filled and emptied with the necessary cleaning solution and ultrapure water, or rinsed in overflow mode, automatically overnight, without human intervention and with exact, reproducible sequences.



AutoDiluter 5.1 – Dilution and Cleaning



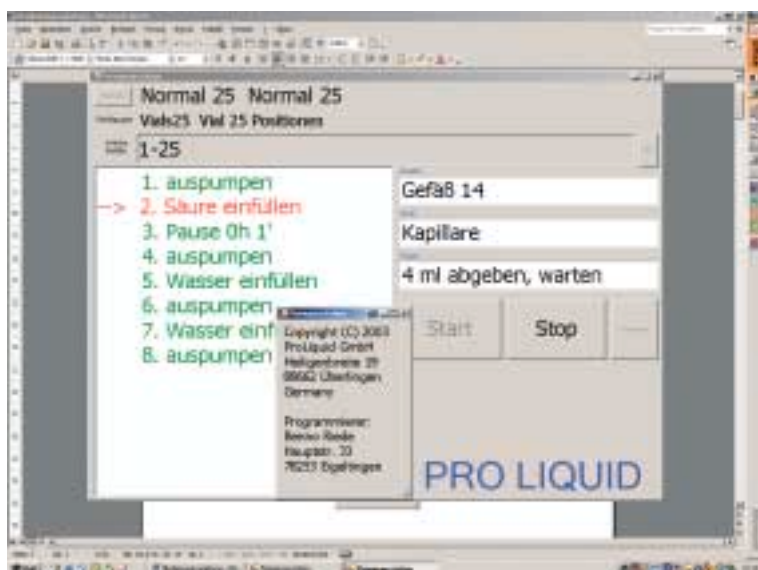
AutoDiluter 5.1

Computer-controlled dispensing system with a precision digital pump and a three-port valve. A sample loop with the appropriate volume is located downstream of the interchangeable pump head – a 10 mL pump head is provided as standard.

The containers with the required solutions and the associated autosampler are connected to an eight-port valve, which is driven by a stepping motor.

The system is completely inert and contamination-free in the wetted areas due to the use of plastics – PTFE, ETFE, ECTFE/PCTFE.

„ProPura“ software control



Whether you wish to subdivide the autosampler sample racks into individual areas or you want to program composite functions, the ProPura software guides you through parameter entry, or gives you the freedom to make individual entries.

Your entries are saved as a method with selectable filename. You can then subsequently open the method for use at any time. With time you can develop a convenient method catalog.

Program interruptions due to a loss of electrical power during unattended routine operation are reliably recognized and archived. When you subsequently power up the system, you are requested to either restart routine operation from the point where it was interrupted, or to cancel the program completely. Any error messages generated during operation are temporarily stored for identification, and all functions for critical dispensing procedures are saved.

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