

ADS-1 Automatic Derived Sampler

EN methods for micropollutants sampling such as heavy metals, mercury or acids offer the possibility to realize the isokinetic sampling line with the "side sampling" solution, where a second gas stream is extracted using a constant flow pump and pollutants are captured in a dedicated impingers train.

Actually, the side sampling flowrate, which must be kept at a fixed ratio with the isokinetic flow, is set manually.

Dado lab realized the first world fully automated sampler for the side sampling applications.

The ADS-1 totally automates the side sampling operation and works in combination with the ST5 sampler.

Once the derived flowrate is set on the ADS-1, all the process is then controlled by the ST5 sampler, which measures the isokinetic condition and set consequently the flowrate on the ADS-1 in order to keep the ratio between the two flows constant.

Thanks to its advanced pneumatic line, the working flowrate on the ADS can be set even with the derived line closed. This greatly reduces the risks of losing the adsorbing solutions because of the unbalanced pressures between the lines. To increase protection from liquids, the ADS-1 is equipped with a protection filter and tank which will water presence.

101 101 1200 Automatic Derived Sampler mod. ADS-1



Flowrate	0.250 ÷ 5.000 NL/min
Regulator	electronic by OM
Sample cond.	dehyd, max temp. 45°C
Protection	filter particulate & liquids
Connections	quick connectors
Operation cond.	-20 ÷ 45°C 95% RH
Stock cond.	-10 ÷ 50°C 95% RH
Power supply	230 Vac ± 10% 50/60Hz
Materials	Steel/Aluminum
Pump	Single head diaphragm
Dimensions (WxDxH)	330 x 310 x 360 mm
Weight	9 kg

Dadolab Companion App

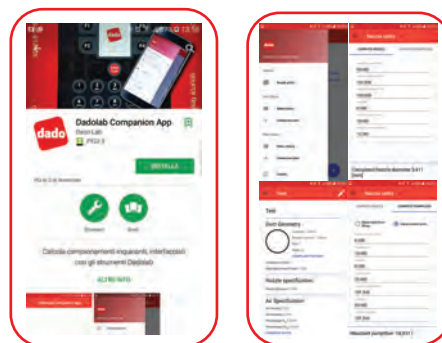
The Dadolab Companion App was developed to help technicians with the isokinetic sampling setup and calculations.

The app can calculate the best nozzle for the stack conditions or calculate the resulting pump flowrate but allows also to create libraries for stacks and Pitot tubes which can be recalled when needed.

The Dadolab Companion App can also connect to the ST5 and ST5 Evo and mirror the display, download data, upload configurations.

More and more features will come in the next future.

101 107 2001 Smartphone Android for ST5 & ST2



QR Code to download the app
or search **Dadolab** on google play