



Research Reactors



better chemistry – faster

# Automated Sampling Unit

## 6-position automated sampling unit

safe and easy automated removal of multiple liquid or slurry samples  
operates either by integrated touchscreen control or via PC  
from **any size vessel**



Collect 6 samples with no cross contamination

<http://www.helgroup.com/reactor-systems/chemical-reactors/asu-automated-sampling-unit/>



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# Automated Sampling Unit

## Direct online automated sampling of your reactor system

The Automatic Sampling Unit (ASu) enables the automatic removal of samples of liquids or slurries from small or large vessels. It offers 6 or more samples, at user defined intervals. The ASu can sample liquid from any size/style vessel operating at atmospheric pressure or under small vacuum. The integrated touch screen controller enables the operator to sample reactions intuitively at user defined intervals, allowing experiments to be run unattended or over night.

Alternatively, the ASu can be operated remotely via a PC, already running HEL's powerful WinISO software to control and log reactor systems.

### Benefits

- Portable, compact unit, takes samples on **any** reactor at user specified times
- Integrated touch screen controller
- 6 or more samples, at user defined intervals
- Liquid and slurry samples possible
- No cross contamination
- Dilution/quench possible

### ASu includes:

- Sampling unit
- 6 sampling vials
- Collection of vials (sample volume from 0.2 to 2ml)
- Dedicated controller (intuitive touch screen operation)

### 3 easy steps to sample -

- ⇒ Connect sampling tubes to vessel
  - ⇒ Specify sampling schedule
  - ⇒ At the end of the run, remove the samples
- Then replace sampling vial for next run  
**(no valves need to be cleaned, no wash solvents, no leaks).**



Walkaway operation available via integrated touch screen controller



Easy to change sampling tubes ; no cross contamination

Visit <http://www.helgroup.com> contact e: [marketing@helgroup.com](mailto:marketing@helgroup.com), call: +44 (0)20 8736 0640

HEL Ltd, 9-10 Capital Business Park, Manor Way, Borehamwood, Herts WD6 1GW, United Kingdom