



Research Reactors



better chemistry – faster

AutoLAB *digi-plate*

- Traditional hotplate
- Great control
- Reproducible results



Control Options

Manual Operation	Digital plate touchpad
Data logging/control	Walkaway operation with MicroNOTE touch screen PC, for temperature and stirring control
Advanced Control	Liquid dosing, pH, high pressure applications as well as on-line heat flow calorimetry



AutoLAB digi-plate is an automated reactor system designed for busy research chemists requiring 21st century controls, looking for versatility and flexibility, whilst continuing to use standard, familiar, low cost hardware.

Choose AutoLAB digi-plate when you need ...

- To see your data in **real-time, with graphical visualisation**
- **Safety features**, such as user configured shut-downs
- **Choice** of reaction vessels
- **Reproducible** data



Overhead stirring available for larger vessels and viscous samples



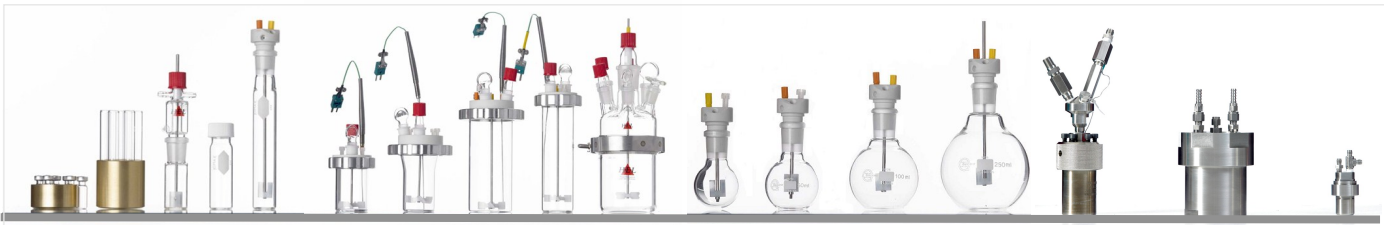
Research Reactors

AutoLAB digi-plate

Unique combination of reactors and vessels

Flexibility and versatility

Wide choice of reaction vessels, including round bottom flasks, high pressure vessels etc. Easy and quick change between vessels.



Heating

Controlled heating / insulating jacket for high temperature chemistry

Efficient stirring as standard

Vigorous suspended stirring available via magnets embedded in PTFE stirrers suspended on shafts driven. These replace magnetic fleas and provide mechanical agitation without overhead motors.

Magnet embedded within PTFE



AutoLAB digi-plate Basic:

- Digital stirred hotplate
- Reaction vessel/s of choice (plus adaptor if required)
- Magnetic stirrer
- Temperature probe

PC Controls

- Touchscreen PC
- Control software

Optional extras:

- Overhead stirring
- pH probe
- Heating/Cooling jacket
- Syringe pump
- Pressure vessels

Parallel operation

Up to eight totally separate tasks can be controlled and monitored by one touchscreen PC



New ways of doing traditional synthetic chemistry

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