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Find the *Biotage / Personal Chemistry Emrys Optimizer* at our website: *Click HERE*

Emrys™ Optimizer



The robotic microwave synthesizer, that allows the chemistry team to intuitively process their optimization series

Emrys™ Optimizer is the latest addition to the Coherent Synthesis™ family of systems for microwave-assisted organic synthesis. Emrys Optimizer is the ideal instrument when iterative synthesis work is required, i.e. when testing new ideas, method development and synthesis of small libraries.

A straightforward, intuitive system, Emrys™ Optimizer is based on the proven Emrys™ Synthesizer and Emrys™ Creator platforms. This compact system is designed to enable multiple user access.
Each chemist has control over his own vials that may be queued and processed when in turn. Sequential processing allows for individual control as well as rapid optimization of reaction conditions. The simple and flexible software with user-friendly functions such as incremental condition changes, ensure fast programming. It is as simple to program 1 as it is for 60 vials without the need for training or instructions. The system also allows for continuous process monitoring (time, temperature & power) and documentation. The height adjusting feet enables simple installation in a fume hood.

Emrys Optimizer includes a 3 month free trial of Emrys PathFinder, Personal Chemistry´s unique collection of searchable and validated starting points for microwave-assisted synthesis. It includes also information on work-up and analysis. The purchase of Emrys Optimizer also gives free access to personal Chemistry´s patented microwave-assisted palladium catalyzed reactions.

Emrys™ Optimizer features:

- Proven technology giving reproducible results
- Multi-user system with an intuitive software
- Programs up to 60 vials in one easy step with unattended operation
- Compact and robust design
- Designed for personal safety
- Emrys™ PathFinder trial and Pd license included
- Network-ready
- Upgradeable to manage reagents and kits
- Printer and archiving options

Coherent Synthesis™ is an integrated solution for continous productivity and quality improvements in chemistry development.

personalchemistry

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Emrys™ Optimizer

Heating Process	
Temperature	60-250 °C (140-482°F)
Temperature increase	2-5 °C/sec solvent dependent
Pressure range	0-20 bar (0-2 MPa, 290 PSI)
Power range	300 W
Agitation	Magnetic stirrer
Sampler Processor	
Processing capacity	Max 60 reactions/vials
Rack capacity	Max 2, each with 30 vials
Reaction volume	0.5-5 ml (0.017-0.169 fl. oz)
System	
Temperature	18-32 °C (64.4-89.6 °F)
Humidity	20-95 %RH
Electrical supply	EU: 220-240 V, 50 Hz (5 A) US: 120 V, 60 Hz (10 A) JP: 100 V, 50/60 Hz (10 A)
Max power req'd	1000 W
Cooling	Pressurised air supply 60-100 lit/min, 2.5-4 bar (0.25-0.4 MPa, 36-58 PSI)
Dimensions (WxDxH)	750 x 610 x 570 mm (29,5 x 24,2 x 22,4 ")
Weight	62 kg (136 lbs)
On-Board PC	
Operating system	MS Windows 2000
Processor	850 MHz
HDD	18 GB
RAM	256 MB
Monitor	15" LCD Flat screen
Keyboard	Compaq Win/NT Opal keyboard
Mouse	MS Wheel mouse/Intelli mouse
Ethernet LAN interface	Complies with IEEE 802.3 (ANSI 8802.3) MII
Archiving/Back-up	
On the server via the LAN CD-RW (optional)	External, USB
Printing	
Via the LAN Bubble jet printer (optional)	HP deskjet, serial

Ordering Information
Please contact your local Personal Chemistry representative for more detailed information.

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