

iControl RC1^e™ – Simply Powerful

The Key to Process Knowledge

iControl™ –

The software vision for your lab impresses by its concise and easy-to-use user interface. It offers development chemists, process chemists, engineers and technicians unequivocal advantages and supports individual working methods, using simple and flexible operations.

System Requirements	
PC – 2 GHz processor or faster – 2 GB RAM or more – CD-ROM Drive – Fast hard drive (SATA, 5400 rpm or faster) – 1 GB free hard drive space for the iControl RC1 ^e ™ 3.3 Application – 500 MB free hard drive space for the iControl RC1 ^e ™ 3.3 Mixing Guidelines – ~30 MB free hard drive space per experiment day (24h data logging)	– Windows® XP operating system (Windows® Vista is not yet supported) – Microsoft® Internet Explorer 6 or higher – 1280 x 1024 (SXGA) display resolution or higher Optionally – for reporting to Microsoft® Word: Word 2000, XP, 2003 or 2007 – for data export into Microsoft® Excel: Excel 2000, XP, 2003 or 2007
Upgrade packages	
"iControl™" upgrade for "WinRC for RC1™ V7.x" ME-51162493	Software upgrade for users with RC1 ^e ™ and "WinRC for RC1™ V7.x"
"iControl™" upgrade for "WinRC for RC1™ V6.x" ME-51162494	Software upgrade for users with RC1 ^e ™ and "WinRC for RC1™ V6.x"
Options	
Please contact your local product specialist for upgrades of earlier software versions, special versions of RC1 ^e ™ thermostats or RC1 ^e ™ NoCal systems.	

Reaction Calorimeters



iControl RC1^e™

Powerful

Intuitive

Flexible

iControl RC1^e™ – Simply Powerful

The Key to Process Knowledge

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Marketing RC/ALR

www.mt.com/iControl

For more information



Quality certificate. Development, production and testing according to ISO 9001.



Environmental management system according to ISO 14001.



European conformity. The CE conformity mark provides you with the assurance that our products comply with the EU directives.

METTLER TOLEDO

iControl RC1_eTM – enables the software vision for your lab

- Robust and intuitive user interface
- Basic to sophisticated experiments
- Comprehensive data evaluation and display
- Manual and automated reactor control
- Seamless integration with METTLER TOLEDO *in-situ* analytics

iControl RC1_eTM – The software that makes control and data evaluation easy and efficient.

While you enjoy the advantages of leading-edge software, you can concentrate on the chemistry.

iControl RC1_eTM combines functionality with flexibility, using a simple and straightforward user interface. Regardless of whether you measure safety relevant data, optimize

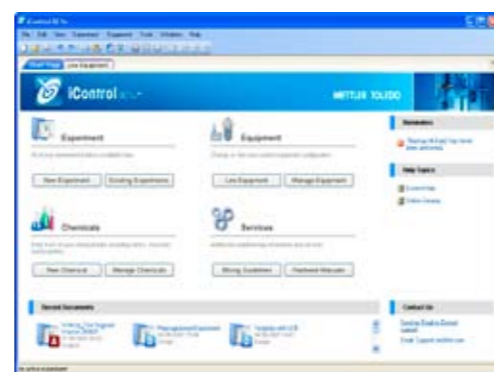
a sensitive and dangerous reaction or you simply run routine tasks; iControlTM helps you to perform your tasks better and more easily than ever.

iControl RC1_eTM is synonymous for ease-of-use, fast learning and flexibility.

iControl RC1_eTM features:

- An interactive and intuitive graphical interface
- Direct reactor control
- Automatic creation of the process sequence based on the manual interactions
- Automatic reactor control drag and drop recipe builder
- Bi-directional communication enables online feedback from analytical tools, such as iC IRTM, FBRM®, iC Raman
- A built-in chemical database that reflects your actual chemistry
- Fully featured calorimetric software with one-click access to the most important results

- Unique mixing guidelines including a comprehensive tutorial and numerous videos to compare the mixing behavior under different conditions.



iControl RC1_eTM – Web-style start screen

All applications are set up from a web-style screen.

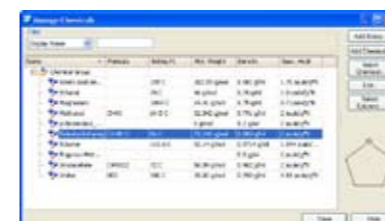
From the experiment planning stage through the execution to the evaluation of the experiment data iControlTM is your guide. Accurate and professional results are just a few clicks away.

iControl RC1_eTM – Live Equipment and Experiment Control

Throughout all phases of the experiment, e.g. preparation, execution and work-up, iControl RC1_eTM allows you to interact with the equipment. The clearly arranged screen displays the measured data.

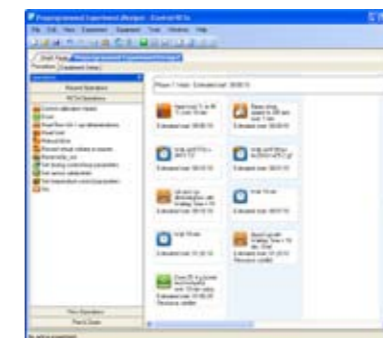


iControlTM permits fully automatic or direct manual control of the entire experiment. Experiment set points are changed by a simple one-click operation or drag-and-drop from a task pane. All data and actions are captured for review and evaluation.



iControl RC1_eTM – Chemical Database

The most relevant properties of all chemicals and solvents used are captured in a chemicals database. This allows each experiment to reflect the details of the chemicals and solvents used. New chemicals are entered manually before or during the experiment or simply by importing from a data file.



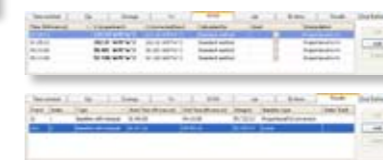
iControl RC1_eTM – Recipe Builder

In addition to a simple step-by-step operation, more complex experiments are designed using the recipe builder. Tasks are inserted by simple drag-and-drop actions and are linked with logical operators where required.



iControl RC1_eTM – Data visualization

Experiment data is visualized as interactive graphical trends or digital values. Data acquisition every 2 seconds ensures a responsive display.



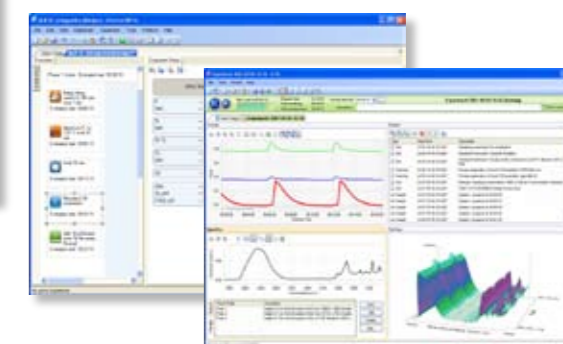
iControl RC1_eTM – Evaluation and analysis

Maximum heat flow, heat of reaction, heat transfer coefficients and specific heat of the reaction mass are just a few examples of the information you can extract from the experimental data.



iControl RC1_eTM – Data evaluation

Operations such as setting baselines, calculating integrals etc are done by simple mouse operations on graphical or tabulated data.



iControl RC1_eTM and iC Software

Identical operating concepts and integrated communication interfaces enable the synchronization of experiments, and data exchange between iControlTM and iC, the real-time analytics software package.

Mixing Guidelines

Good mixing is key for mass transfer high yield and constant product quality. A comprehensive mixing guideline with integrated tutorials and videos allow you to easily define the best mixing conditions.