

Automate Your Jacketed Lab Reactor Control, Data Capture, and Reporting



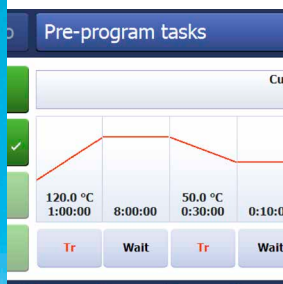
Intuitive, Standard Interface

The easy to use touchscreen interface provides a uniform control platform across all laboratory reactors. Operating with one interface allows scientists to consistently control reactors on any scale, from milliliters to multi-liter, reducing human error and training cost.



100% Data Capture

Automatically collect process data from all laboratory reactors and sensors, as well as from in-situ analytical instruments such as pH, ParticleTrack™, EasyViewer™, ReactIR™, and ReactRaman™. Using iC Data Center software guarantees data capture and ensures important information will never be lost again.



Unattended, 24/7

Unattended task sequences or advanced recipes can be set up through the touchscreen or the powerful iC software suite. The software and touchscreen offer bi-directional control meaning scientists can operate from either, increasing productivity through remote operation.



Powerful Reporting

Reduce the time needed to manage process and analytical data, visualize and identify key reaction events, and develop reports which lead to better decisions for improved process development and optimization. Reports can be prepared in a few clicks with custom format allowing template creation, drag and drop data, user-added images, and text fields.



RX-10™ Reactor Control System Automation and Data Management

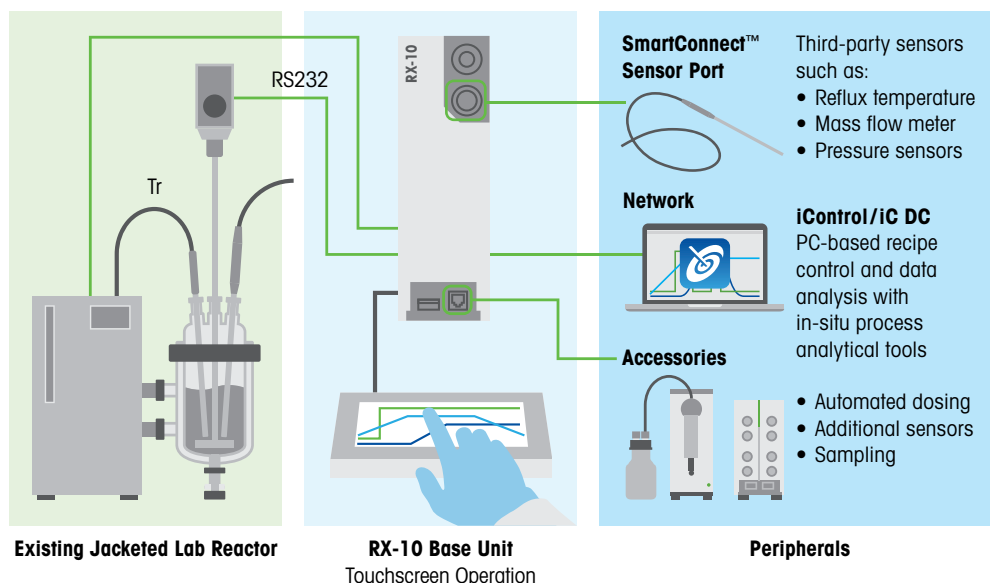
RX-10 combines the familiar METTLER TOLEDO reactor control touchscreen with various plug-and-play interfaces to control and monitor results from a broad range of jacketed lab reactors. Automate your jacketed lab reactor, by programming thermostat temperature, stirring speed, liquid dosing, unattended sampling, and integrating process analytical technology for data rich experiments, day and night. Extend control with intuitive and powerful iC Software Suite for remote monitoring, analysis, and reporting. Reactor automation and data capture allows scientists and engineers to perform more successful experiments and make correct decisions faster, increasing productivity and speeding Time to Market.

Automate Your Jacketed Lab Reactor

Control, Data Capture, and Reporting

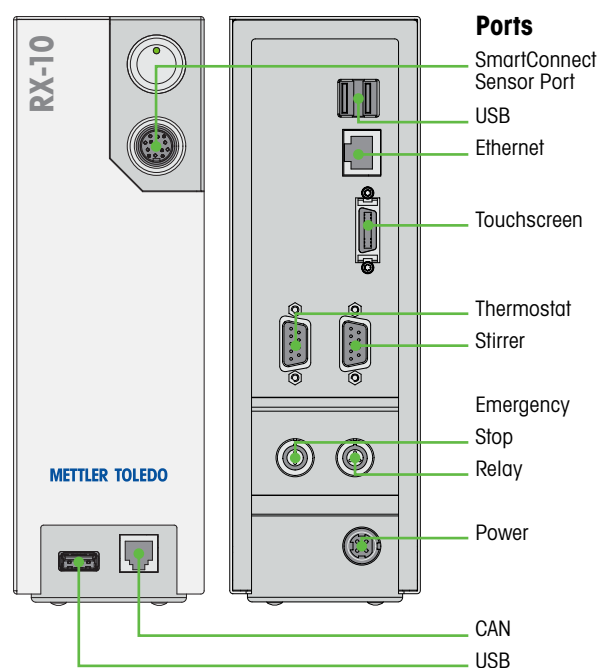
Flexible and Simple Setup

With flexible plug-and-play connections to a wide range of hardware including thermostats, stirrer motors, dosing pumps, unattended sampling, and sensors, researchers bring new levels of automation and simplicity to the chemical development and process optimization laboratory. Third-party accessories such as Pt100 or other sensors are quickly connected with the flexible SmartConnect plug-and-play sensor port and ready to go within minutes.



Technical Data

Thermostats ¹	Huber, Julabo, Lauda – models with RS232 port
Temperature Range	Depending on the thermostat
Stirrers ¹	IKA, Heidolph, ChemGlass, J-KEM – models with RS232 port
Volume Range/Reactors	Depending on the hardware
SmartConnect™ Sensor Port (plug-and-play)	Pt100 4 wires (RTD) Voltage –10 to +10 V (input) Current 0 to 20 mA (input)
Connectivity and Data Transfer	Ethernet: Communication to PC (iControl/iC Data Center) CAN: Interface for plug-and-play accessories USB: Data export to USB stick
Supported Languages	English, German, French, Spanish, Japanese, Chinese
Safety Features	Emergency button – immediate execution of emergency program Emergency relay – connect audible or visual alert
Compatibility with METTLER TOLEDO Devices	ECB™, DU SP-50, EasySampler™, SevenExcellence™, SmartConnect cables/peripherals
Dimensions, WxDxH	70 mm x 152 mm x 215 mm (2.75" x 5.98" x 8.46")
Weight	2.88 kg, including touchscreen
Power	Max. 120 W
Support Line Voltage	100 V to 240 V, 50 Hz/60 Hz



¹ **NOTE:** The thermostats and stirrers are manufactured by third-party vendors reserving the rights for any technical changes and upgrades leading to potential variation in device behaviour. Please contact a METTLER TOLEDO representative (e.g., Technical Application Consultant) for more information.

www.mt.com/RX-10

For more information

METTLER TOLEDO Group

Automated Reactors and In-situ Analysis
Local contact: www.mt.com/contacts

Subject to technical changes

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