

## Maximum Insight. Every Experiment. Complete Experimental Visibility



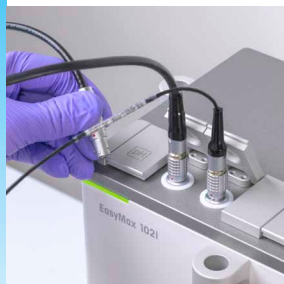
### Capture Every Critical Event

An integrated real-time camera continuously records experiments, capturing critical events with visual context and enabling faster understanding of reaction behavior.



### Complete Data You Can Trust

Automatic logging of all process parameters creates reliable, reproducible datasets that strengthen confidence in results and support informed development decisions.



### Smart Sensors, Flexible Expansion

Smart temperature sensors and stirrers, combined with integrated pH monitoring support a wide range of experimental needs. Extra sensors can be added to integrate any data stream.



### Automation-Ready and Scalable

Native OPC UA connectivity and plug-and-play peripherals enable seamless integration into automated workflows, allowing for rapid system expansion as needs evolve.



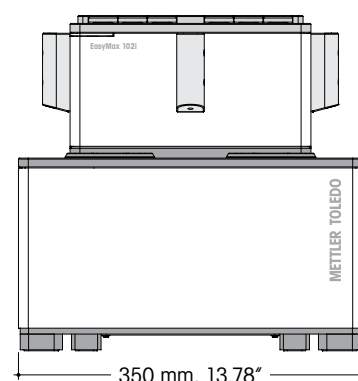
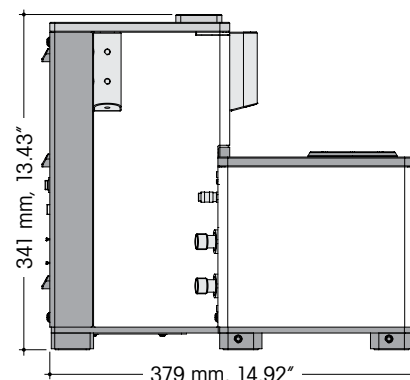
### EasyMax™ 102i

EasyMax 102i is an intuitive, everyday synthesis workstation that transforms routine experiments into high-quality, reproducible results. By standardizing and precisely controlling the five key experiment operations – temperature, stirring, dosing, sampling, and observation – EasyMax delivers consistent workflows with complete experimental context. Integrated automation and continuous data capture generate reliable datasets that accelerate confident decision-making and support scalable laboratory automation.

# EasyMax™ 102i

## Technical Specifications

|                                     |                                                                                                                                                                                                                                              |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Temperature Range</b>            | –40 °C to 180 °C (jacket temperature)                                                                                                                                                                                                        |
| <b>Temperature Modes</b>            | Jacket control, reaction mixture control, distillation, crystallization, reflux                                                                                                                                                              |
| <b>Thermostat Technology</b>        | Solid state (heating: resistive; cooling: Peltier)                                                                                                                                                                                           |
| <b>Instrument Cooling</b>           | Tap water or ethylene glycol (3 L/min) for temperatures to approx. –10 °C<br>Cryostat with a capacity of 720 W at 20 °C for temperatures to approx. –10 °C<br>Cryostat with a capacity of 450 W at –10 °C for temperatures to approx. –40 °C |
| <b>Cooling Connector</b>            | M16 x 1                                                                                                                                                                                                                                      |
| <b>Reactors</b>                     | 8 mL, 25 mL, 50 mL, and 100 mL one-piece reactors; 50 mL, 100 mL, and 100 mL high workup volume two-piece reactors; 100 mL pressure reactor                                                                                                  |
| <b>Stirring</b>                     | Magnetic: 0 rpm to 1000 rpm;<br>Overhead: 10 rpm to 1000 rpm                                                                                                                                                                                 |
| <b>Stirring Types</b>               | Pitch blade (glass, Alloy C-22); anchor (glass, Alloy C-22); Rushton turbine (Alloy C-22); half-moon blade (PTFE)                                                                                                                            |
| <b>Illumination</b>                 | Reactor zone independent, contrast-optimized LED lighting (CO-LED)                                                                                                                                                                           |
| <b>Camera</b>                       | HD, up to 15 FPS                                                                                                                                                                                                                             |
| <b>Dimensions, WxDxH</b>            | 350 mm x 379 mm x 341 mm (13.78" x 14.92" x 13.43")                                                                                                                                                                                          |
| <b>Weight</b>                       | 21 kg, including touchscreen                                                                                                                                                                                                                 |
| <b>Power</b>                        | 100 V to 240 V AC; 50/60 Hz                                                                                                                                                                                                                  |
| <b>Power Consumption</b>            | 1000 VA                                                                                                                                                                                                                                      |
| <b>Power Connector</b>              | C20                                                                                                                                                                                                                                          |
| <b>Data Logging</b>                 | Recording interval every one second                                                                                                                                                                                                          |
| <b>Data Transfer and Evaluation</b> | Web interface, iControl™ Software, iC Data Center™                                                                                                                                                                                           |
| <b>Interfaces</b>                   | CAN bus to connect to METTLER TOLEDO accessories; Ethernet connection, USB                                                                                                                                                                   |
| <b>Touchscreen</b>                  | 194 mm x 129 mm (7.6" x 5"), protected by a replaceable cover                                                                                                                                                                                |
| <b>Supported Languages</b>          | English                                                                                                                                                                                                                                      |
| <b>pH Measurement</b>               | Integrated port for METTLER TOLEDO ISM™ pH digital sensors                                                                                                                                                                                   |



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[www.mt.com/EasyMax-102i](http://www.mt.com/EasyMax-102i)

For more information

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