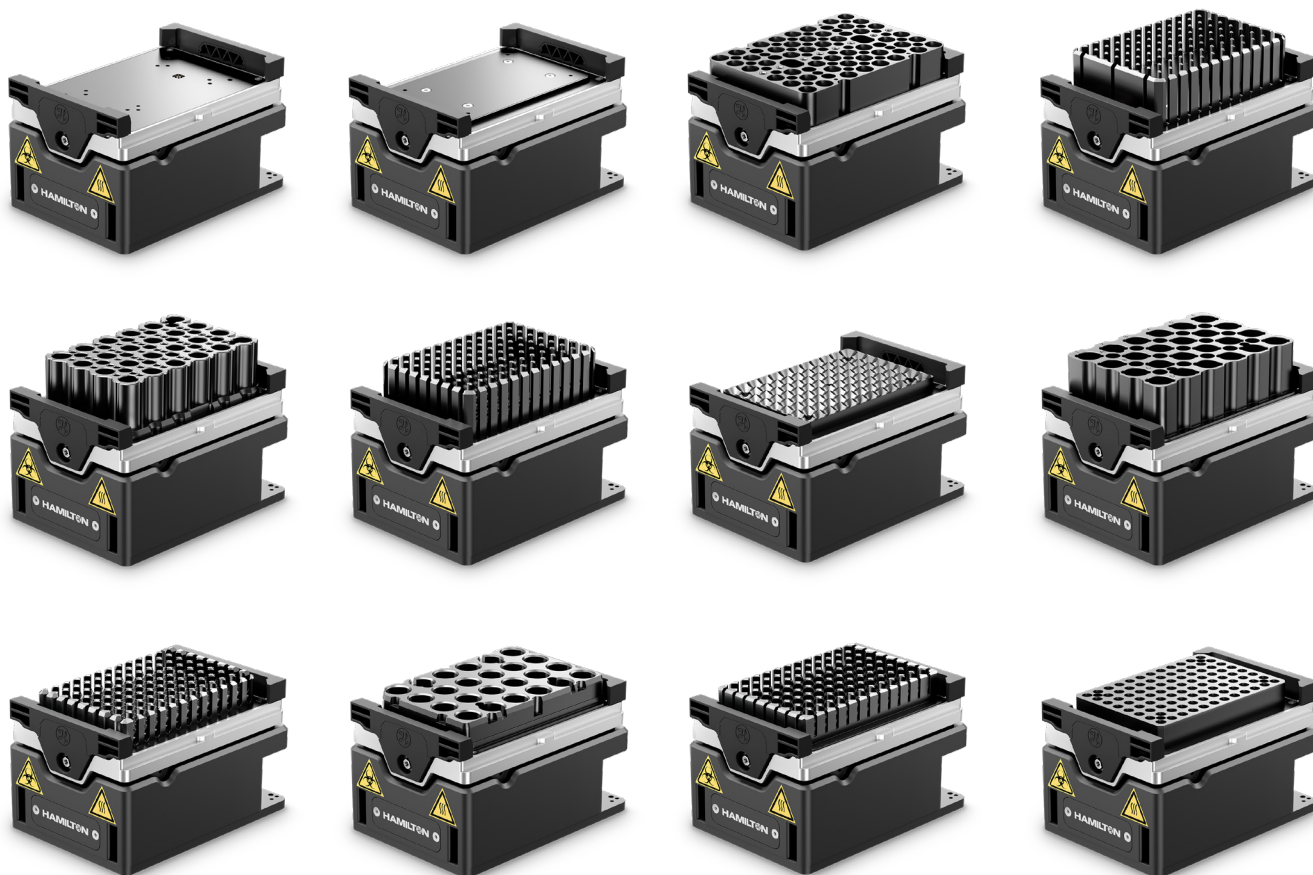


HAMILTON HEATER SHAKER 3G

Fully controlled Heating and Shaking



Persistent

Excels at tough tasks, shaking up to 2500 rpm, heating up to 105°C, and with precise sensor control



Individualized

Accommodates various plates through standard and custom smart adapters; manual or automated loading of plates



Seamless

Compact design fits on every deck, accessible for pipetting, scalable integration for workflow optimization

One step further

We are more than proud to take another step into the future with the Hamilton Heater Shaker 3G - the third generation of this module. Listening carefully to our valued customers, many modifications have made its way into the latest version.

The Hamilton Heater Shaker 3G (HHS 3G) represents remarkable advancements. Notably, the ability to swiftly exchange Smart Adapters on-site adds a new dimension to deck setup and method flexibility. This process, aided by screws, eliminates the need for a new Heater Shaker Base. Enhanced safety and control are ensured through redundant temperature measurement systems and G-Force sensors, which also verify proper Smart Adapter mounting. Performance improvements include faster heat-up times, improved heat distribution, and reduced temperature tolerance. Compatibility mode seamlessly replaces second-generation units while retaining previous behavior. User feedback has led to “comfort” features, complementing the more homogenous temperature distribution and faster heat-up speed.

- **Easily swap Smart Adapters on-site, enhancing setup and method flexibility without the need for a new Heater Shaker Base.**
- **Faster heat-up time and better heat distribution across the adapter enhances efficiency. Compatibility mode ensures the seamless transition from the second-generation Heater Shaker, maintaining consistent behavior.**
- **The complete unit has been improved in terms of liquid penetration.**

TECHNICAL DATA

Parameters	Specifications
Available Shaking Orbits	1.5 mm / 2.0 mm / 3.0 mm / 4.0 mm
Max. Shaking Speed	Depending on Smart Adapter / Plate combination
Heat-up times	25 °C - 37 °C in 3 min (Tolerance band ± 1 °C) 25 °C - 60 °C in 5 min (Tolerance band ± 1.5 °C) 25 °C - 90 °C in 6.5 min (Tolerance band ± 2 °C) 25 °C - 105 °C in 7.5 min (Tolerance band ± 2.5 °C)
Dimensions*	Length = 150 mm / Width = 105 mm / Height = 90 mm
Shaker Acceleration	2.0 s (from 0 to max. rpm)
Shaker Deceleration	2.0 s (from max. rpm to 0)
Environment Operating Temperature	15 °C - 35 °C
Heating Range	Room temperature +5 °C up to +105 °C
Communication	CAN (via instrument) or USB (direct from PC)
Power	42 VDC / 140 W (max.)

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To find a representative in your area,
please visit:

www.hamiltoncompany.com/contact
2 Email: infoservice@hamiltonrobotics.com

United States
+1-775-858-3000
United Kingdom, Ireland
+44 121 272 92 80
Brazil
+55 11 95914 5000
China
+86 21 6164 6567

**Denmark, Norway,
Sweden, Finland**
+46 8410 27 373
France
+33 184 008 420
**Germany, Austria,
Switzerland**
+49 89 248 804 804

Benelux
+31 40 209 178 0
Italy
+39 039 930 06 06
Japan
+81 3 6435 6850
Spain, Portugal
+34 930 186 262

