

Thermal Innovations and Products

Incubator Shaker MP

► [Datasheet](#)

Incubator Shaker MP

Product Description

The INHECO Incubator Shaker MP is an automated and compact incubating and shaking position for one standard SBS Microplate. The Incubator Shaker MP can be used as a stand-alone device, or stacked to form a tower of up to 3 units (without additional fixation). Even stacking of different devices of the INHECO Incubator family in one tower is possible, the devices in the tower can be controlled through the master-slave principle.

Precise temperature and shaker control, USB interface, plate loading sensors and several self test routines guarantee a safe, precise and fast processing of samples. It offers an unique vibration reduced shaking principle, which enables free programmable shaking curves (linear, circle, elliptic, eight). Software and verification tools are available to form a complete thermal solution for all kinds of incubation applications.

The unit is a plug-and-play high performance thermoelectric device with CE and UL certification.



7300013 Incubator Shaker MP 3 unit stack

Application Areas

The Incubator Shaker MP is mainly used on robotic platforms and systems in LabAutomation to form a self-contained temperature controlled area for one Microplate. The automated drawer system offers direct and easy access by robotic grippers for loading and unloading and even direct access with pipetting heads. The lid is turning 90° after opening the drawer to enable easy portrait and landscape gripping.

The INHECO Incubator Shaker MP is designed for the use in fundamental research, drug discovery, clinical research and diagnostics in the Life Science market. The Incubator Shaker MP is tested for the operation with an increasing number of established LabAutomation systems, please contact us for more information.



7300013 Incubator Shaker MP 3 unit stack

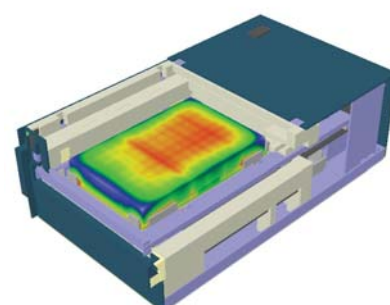
Variants

The Incubator Shaker MP is part of our new family of IVD incubator products, which will become available in the near future. For the Incubator MP unit, we refer to the respective data sheet. These units can be operated together in one stack, providing maximum flexibility.

Product	Article No.	Dimension W x D x H (mm)	Weight (kg)	Temperature range
Incubator Shaker MP	7300013	149 x 268 x 87	4,5	Ambient to +80°C

Product Services

In order to maximize the performance of the installed Incubator Shaker MP, INHECO offers to determine the temperature offset value for specific plates, design and production of customized thermal plate adapters and deck adapter flanges, calibration of complete systems and verification/validation experiments. Test units are available on request.



7300013 Incubator Shaker MP CFD Analysis

Main Specifications

Specification	7300013
Accuracy at 37°C target temperature	±0,3°C
Uniformity at 37°C target temperature**	±1,0°C
Heat up time 15°C to 37°C*	15 min.
Amplitude	0-3 mm
Max. RPM	1800
Shaker load	40-250g
Drawer accuracy (mm)	±0,3
Input	24 Vdc / 2A
Interface	USB

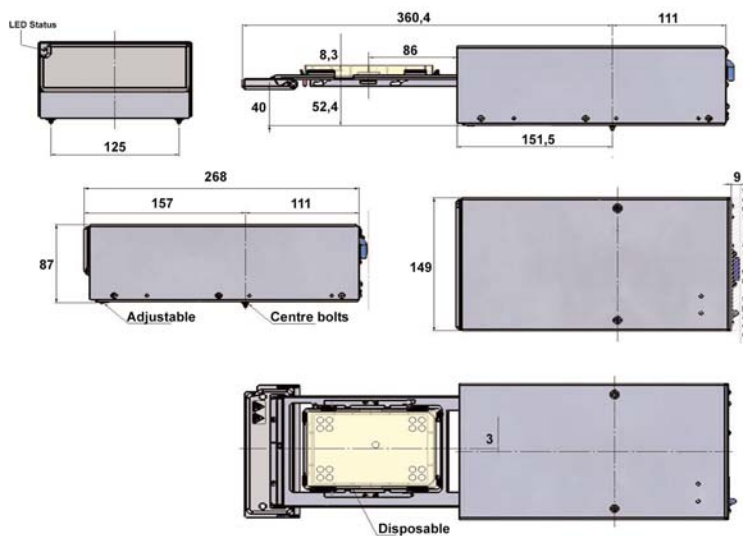
* Measured in well

** Data refer to 96 well flat bottom microplate at 15°C ambient temperature



7300013 Incubator Shaker MP 5 unit stack

Drawings



7300013 Incubator Shaker MP

Accessories & Related Products

Product	Article No.	Input	Power Output
Power Supply FSP-180 AAA	2400121	110-230 V 50/60 Hz	24V / 7A
Power Supply SPU45E	2400122	110-230 V 50/60 Hz	24V / 2A
Adapter Round Bottom	7900042		



7300003 Incubator MP gripper access, similar to Incubator Shaker

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