

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 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 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, diagnostics and other Life Science applications. 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 incubator product range, which will be further expanded with cooling, CO2 and relative humidity in the near future. For the Incubator MP and DWP units, we refer to the respective data sheet. All 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 |

Verification Plate

INHECO offers a compact and precise measurement plate (IMP) in SBS format for verification of temperature and/or shaking performance. The IMP can be used on all INHECO LabAutomation heating, cooling, shaking and incubating devices. We refer to the IMP datasheet for more information.



7901000: INHECO Measurement Plate

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 |

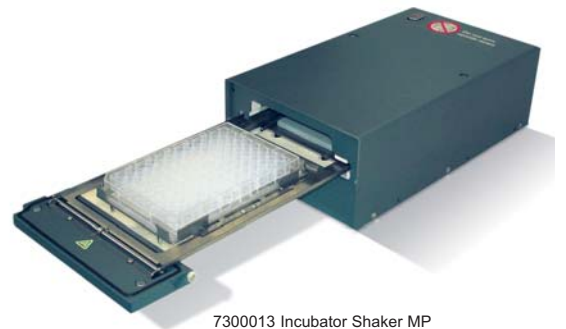
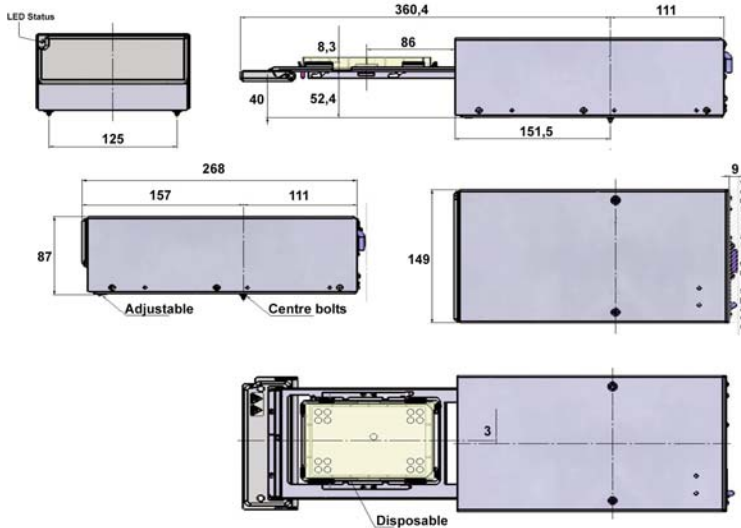
* Measured in well

** 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 ¹ | 2400121 | 110-230 V 50/60 Hz | 24V / 7A |
| Power Supply SPU45E ² | 2400122 | 110-230 V 50/60 Hz | 24V / 2A |
| Adapter Round Bottom | 7900042 | ¹ Suited for 3 Incubator Shaker MP ² Suited for 1 Incubator Shaker MP | |
| INHECO Measurement Plate | 7901000 | | |



7300003 Incubator MP gripper access, similar to Incubator Shaker

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This Datasheet can also be downloaded from our website. For further information, please contact our sales department.

