



Thermal Innovations and Products

# Incubator Shaker MP / DWP

► [Datasheet](#)

# Incubator Shaker MP & DWP

## Product Description

The INHECO Incubator Shaker MP and Incubator Shaker DWP are automated and compact incubating and shaking positions for one standard SBS Microplate or Deep Well Plate. The Incubator Shaker 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 units are plug-and-play high performance thermoelectric devices with CE and UL certification, prepared for use in customer IVD applications.

## Application Areas

The Incubator Shaker is mainly used on robotic platforms and systems in Lab Automation to form a self-contained temperature controlled area for one disposable. 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 is designed for the use in fundamental research, drug discovery, clinical research, diagnostics and other Life Science applications. The Incubator Shaker is integrated with the major liquid handling systems, primarily:

Beckman Coulter: Biomek FX, NX  
Caliper: Sciclone, Zephyr  
Hamilton: Star Line  
PerkinElmer: Janus  
Tecan: Freedom EVO

## Variants

The Incubator Shaker is part of our incubator product range. 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.



7300013 Incubator Shaker MP top view, drawer open



7300009 Incubator Shaker DWP

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
Incubator Shaker DWP	7300009	149 x 268 x 139	5,3	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

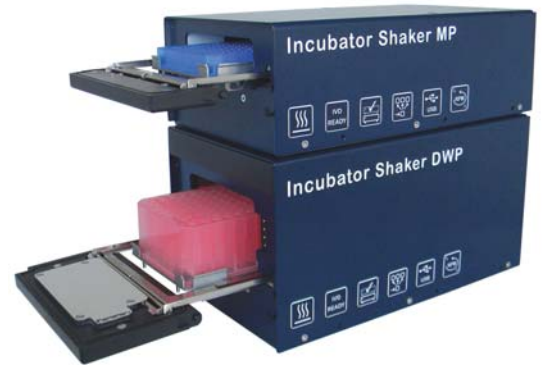
## Main Specifications

Specification	7300013	7300009
Accuracy at 37°C target temperature	±0,3°C	±0,3°C
Uniformity at 37°C target temperature*	±0,8°C**	±1,0°C***
Heat up time 20°C to 37°C	15 min.	15 min.
Amplitude	0-3 mm	0-3 mm
Max. RPM	1800	1800
Shaker load	40-250g	40-250g
Drawer accuracy (mm)	±0,3	±0,3
Input	24 Vdc/50W	24 Vdc/60W
Interface	USB	USB

\* Measured in well

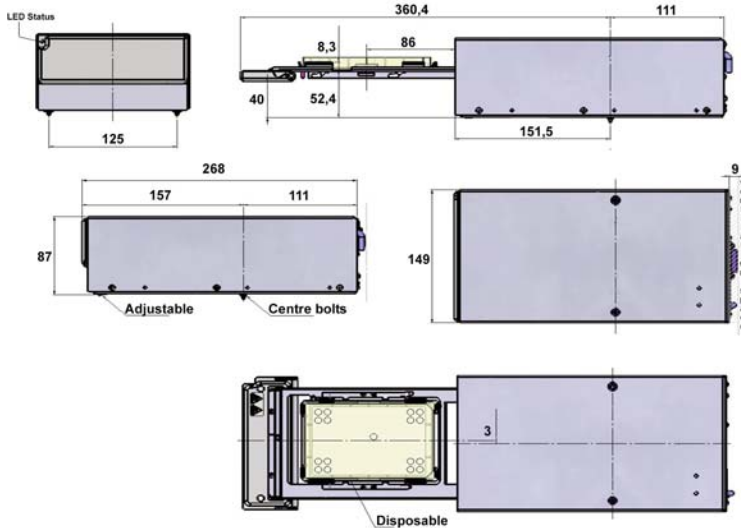
\*\* Data refer to 96 well flat bottom microplate at 15°C ambient temperature

\*\*\* Data refer to 96 well round bottom deep well plate at 15°C ambient temperature



7300013 Incubator Shaker & 7300009 Incubator Shaker DWP mixed stack

## Drawings 7300013 Incubator Shaker MP (turn page for 7300009)



7300009 Incubator Shaker DWP front view drawer open

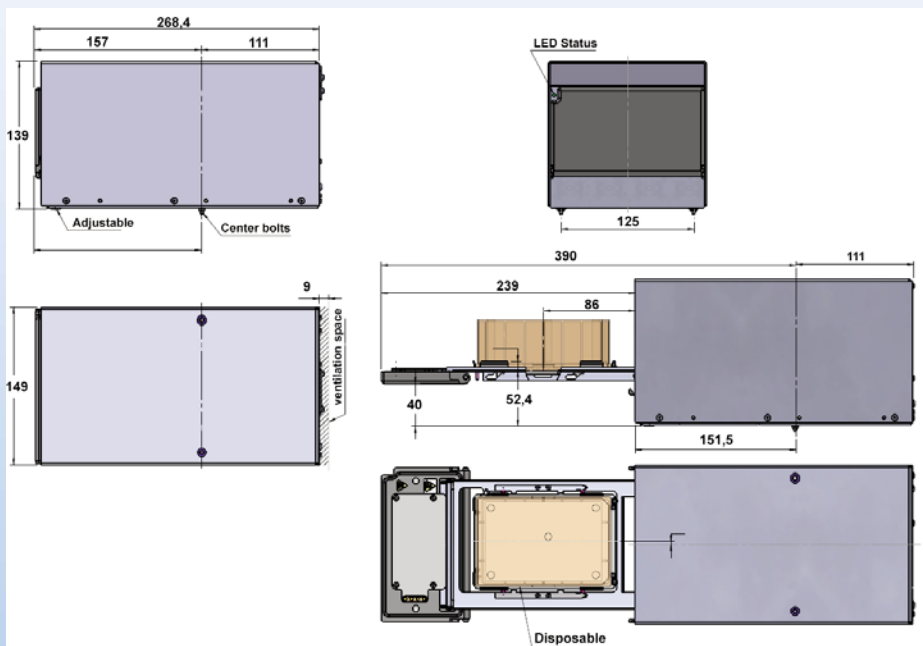
## Accessories & Related Products

Product	Article No.	Input	Power Output
Power Supply FSP-180 AAA <sup>1</sup>	2400121	110-230 V 50/60 Hz	24V / 7A
Adapter Round Bottom	7900042	<sup>1</sup> Suited for 3 Incubator Shaker MP / DWP	
INHECO Measurement Plate	7901000		



7300003 Incubator MP gripper access, similar to Incubator Shaker

## Drawings 730009 Incubator Shaker DWP



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

