

Thermal Innovations and Products

Variomag Teleshake 95

► [Datasheet](#)

Variomag Teleshake 95

Product Description

The Variomag Teleshake is one of the most compact heated shaking positions for a wide range of standard SBS plates and tubes. The Teleshake can be placed on the deck of liquid handling systems with the lowest possible consumption of space. It combines excellent control of temperature and fluid mixing. Shaking curves are linear and orbital.

The Variomag Teleshake can be ordered with two types of precise temperature/rpm controllers: The Single TEC Control (STC) to control a single Teleshake, or a Multi TEC Control (MTC), to control up to 6 units. Both controllers have an integrated power supply, we refer to the respective data sheets. Software and verification tools are available to form a complete thermal solution. The unit is a plug-and-play high performance heating device with CE and UL certification.

Application Areas

The Teleshake is mainly used on robotic platforms and systems in LabAutomation to form an open and temperature controlled area for one disposable. It offers direct and easy access by robotic grippers for loading and unloading and also direct access with pipetting heads. The Variomag Teleshake is designed for the use in fundamental research, drug discovery, clinical research, diagnostics and other Life Science applications.

The Variomag Teleshake is tested for the operation with a vast number of established LabAutomation systems, primarily:

Beckman: Biomek 2000, 3000, FX, NX
Caliper: Sciclone, Zephyr
Hamilton: Star
Perkin Elmer: JANUS, Multiprobe II
Proteodyne: BioCube
Tecan: Freedom EVO, Genesis, TEMO
Xiril: 75, 100, 150 Series

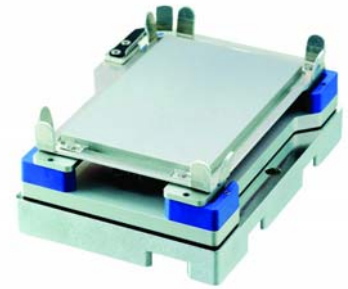
Variants

For the heated and cooled shaker unit Variomag Thermoshake, we refer to the Variomag Thermoshake data sheet. Also available is the non-heated Variomag Teleshake, in 115V and 230V versions.

Product	Article No.	Dimensions W x D x H (mm)	Weight (kg)	Temperature range
Variomag Teleshake 95	7100136	103 x 146 x 55	2,6	Ambient to +95°C
Variomag Teleshake 230V	3800047	103 x 146 x 40	2,0	-
Variomag Teleshake 115V	3800048	103 x 146 x 40	2,0	-

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.



7100136: Variomag Teleshake 95



8900030: Multi TEC Control (MTC)



7901000: INHECO Measurement Plate

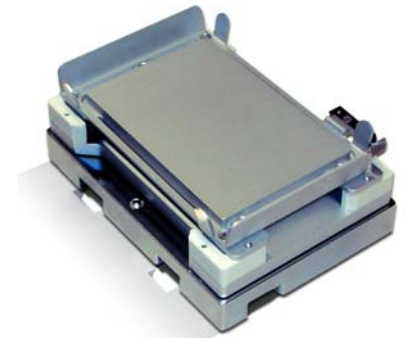
Main Specifications

Specification	7100136	3800047 3800048
Accuracy at 37°C target temperature ¹	±0,8°C	-
Uniformity at 37°C target temperature ¹	±0,6°C	-
Max. RPM ²	2000	2000
Amplitude (mm) ³	2	2
Input	24Vdc ±10%	230 or 115 Vac
Heating capacity	100W	-
Ambient temperature	15°C to 32°C	15°C to 32°C

¹ Data refer to 96 well flat bottom microplate at 22°C ambient temperature

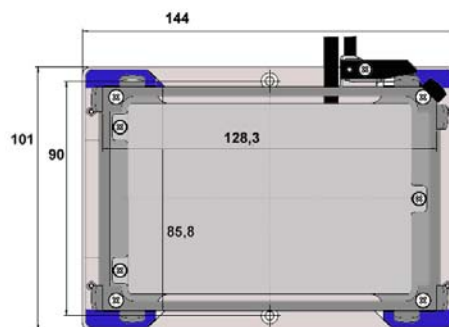
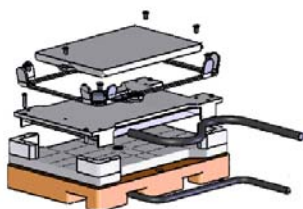
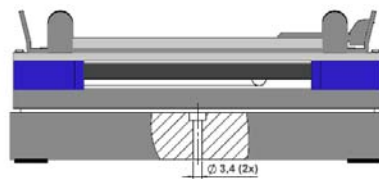
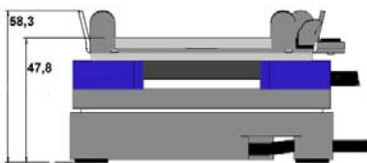
² RPM depending on load

³ Also available with 3mm amplitude



7100136: Variomag Teleshake 95

Drawings



3201085: Aapter 96 PCR

Accessories & Related Products

Product	Article No.
Multi TEC Control (MTC)	8900030
Single TEC Control (STC)	8900031
INHECO Measurement Plate (IMP)	7901000
Positioning System	7900098

Standard Adapter Plates*

Product*	Article No.
Round bottom plate	3200245
96 Pos. PCR plate	3201085
384 Pos. PCR plate	3201086

* Other formats available, see Shaker adapter plates data sheet. Customizing on request



8900031: Single TEC Control (STC)

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