

## User and Installation Manual



# Teleshake 95

Part No.:  
7100136

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This manual and the information herein have been assembled with due diligence.

**INHECO GmbH** does not assume liability for any misprints or cases of damage resulting from misprints in this manual. If there are any uncertainties, please feel free to contact [sales@inheco.com](mailto:sales@inheco.com). → How to contact INHECO, page 5.

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# 1 IMPORTANT NOTES

## 1.1. General Information

Read the user instructions completely. The manual explains how to operate and handle the Teleshake 95 (Part#: 7100136). In case manual instructions are not followed, injury or product damage cannot be excluded.

Missing or insufficient knowledge of the manual leads to loss of liability against INHECO GmbH.

This manual is part of the Teleshake device and must be retained until the device is disposed of and must be passed on with the Teleshake when the device is taken over by a new user.

The Teleshake meets the acknowledged rules of technology and complies with today's standards.

Manual instructions must be followed in order to ensure safe handling of the device.



Security-related warnings in this manual are classified into three hazard levels:

- The signal word **WARNING** indicates hazards which – without precautionary measures – can result in serious injury or even death.
- The signal word **CAUTION** indicates hazards which – without precautionary measures – can result in minor to moderate injuries
- The signal word **NOTE** stands for general precautionary measures that are to be observed to avoid damaging the device when using it.
- The signal word **IMPORTANT** stands for necessary measures that should be followed to avoid damaging the device when using it.

Contact INHECO in case there are any uncertainties of how to operate or how to handle the Teleshake device.

Your opinion about this manual provides us with valuable insights on how we can improve this document. Please do not hesitate to direct your comments to [sales@inheco.com](mailto:sales@inheco.com), → How to contact INHECO, page 5.

## 1.2. Explanation of Symbols

Symbol	Explanation
	Potential danger of serious injury or death → signal word <b>WARNING</b> or <b>CAUTION</b> indicate the severity.
	Caution: Potential danger of hot surface.
·	Bullet points indicate steps of instructions.
-	Hyphens refer to enumerations.
→	Arrows indicate: "refer to" and are mostly an active link

### 1.3. Abbreviations and Glossary

The document uses the following terms	
°C	Degree Celsius
Hz	Hertz [1/s]
K	Kelvin
kg	Kilogram
rhu	relative humidity
rpm	runs per minute
TEC	Thermo- Electric- Cooler (Thermoelectric Module, Peltier Element)
Vdc	Voltage direct current
Adc	Ampere direct current
W	Watt
ALP	Automated Labware Positioners from Beckman Coulter
IVD	In Vitro Diagnostic
FDA	Food and Drug Administration
MTC	Multi TEC Control controls up to 6 INHECO devices individually
STC	Single TEC Control controls 1 INHECO device
Offset	The difference between the set temperature and actual value once the temperature is stable
PT100	PT100 is a Resistive-Temperature-Detector (RTD). This sensor increases its resistance with increasing temperature.
Calibration	Calibration is the validation of specific measurement techniques and equipment. At the simplest level, calibration is a comparison between measurements - one of known magnitude or correctness - made or set with one device and another measurement made in as similar a way as possible with a second device.

### 1.4. Warranty

The warranty period starts on the date of shipment. Any damage caused by operating the Teleshake devices outside the specifications and guidelines leads to the loss of warranty. Broken seals on INHECO devices lead to the loss of warranty as well.

INHECO will only accept parts / devices for return that do not pose a threat to the health of our staff. In particular, the devices may not have been used in Biosafety Level 3 and 4 environments, or have been exposed to radioactive or radiation materials. → Cleaning and Decontamination, page 21ff.

Devices exposed to Biosafety Level 3 and 4 Environments are not accepted by INHECO for return.

### 1.5. How to contact INHECO

INHECO GmbH	
Address	Fraunhoferstr. 11 82152 Martinsried Germany
Telephone - Sales	+49 89 899593 120
Telephone - Techhotline	+49 89 899593 120
Fax	+49 89 899593 499
E-Mail - Sales	sales@inheco.com
E-Mail - Technical -Hotline	techhotline@inheco.com
Website	www.inheco.com

Technical Support & Trouble Shooting Instructions:

<http://www.inheco.com/service/technical-support.html>

## 2 PRODUCT DESCRIPTION

### 2.1. Intended Use

The Teleshake 95 are the standard shaker solution on almost all major liquid handling workstations with the lowest possible consumption of space and secure plate fixation brackets. Its shaking frequency range is ideal for tubes and plates with up to 384 wells.

Shaking curves are linear and orbital, an automatic low-speed start-up prevents sample spillage. The self-centering zero positioning system ensures precise and easy access by robotic grippers, pipetting heads, and other system components (centric position precision: +/-0.1mm). The RS232 interface allows an easy software integration.

Power supply, temperature setting and control of the Teleshake device is performed through an INHECO TEC Control Unit, please refer to the separate TEC Control Manual. Various types of aluminum adapter plates to match the required disposable are available for the Teleshake 95. Adapter plates and positioner can be easily taken down for cleaning, or changed to another configuration within minutes.

The Teleshake device is mostly used on robotic platforms and systems in Lab Automation, primarily:

Agilent\*: Bravo, BioCell, Encore Multispan      PerkinElmer: JANUS, Multiprobe II

Protodyne: BioCube      Zinsser: Lissy

Caliper: Sciclone, Zephyr      Xiril: 75, 100, 150 Series

Hamilton: Starline, Nimbus, Vantage

Beckman: Biomek FX, NX, 3000, 4000

Tecan: Freedom EVO, Genesis, TEMO

\* Please contact Agilent directly for integration.

The Teleshake is a plug-and-play high performance heating device with CE and UL certification.

The Teleshake devices are designed specifically for use in Life Science. They are prepared for easy integration into IVD applications, but the final IVD validation has to be performed by the first marketer (IVD application).

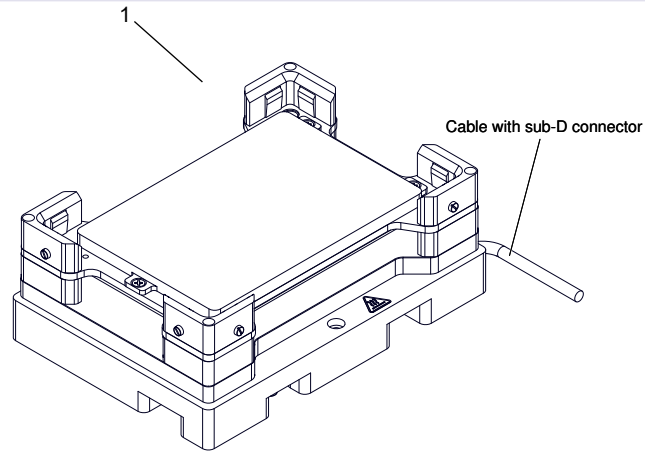
When using the Teleshakes devices in a Biosafety Laboratory Environment, the user of the device is responsible for labeling the device according to the WHO Laboratory Biosafety Manual (ISBN 92 4154650 6) and for operating the devices according to this Biosafety Manual.

The Teleshake must be used exclusively by laboratory professionals trained in laboratory techniques with labautomation systems and having studied the instructions for use of this instrument as well as the instructions of the workstation the device is used in.

## 2.2. Scope of Delivery

Before initial operation, make sure that the shipment of your unit and its scope of supply is complete and no parts are damaged.

In case of parcel or product damages, make photos of the damaged boxes and products and email them to **TechHotline@inheco.com** immediately. Transportation damages must be reported to INHECO within 7 days of delivery. The following components should be included in each shipment:



**Fig.1: Components**

( 1 ) Teleshake 95 incl. Sub-D-Connector Cable

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## 2.3. Functional Elements

The functional element of the Teleshake 95 is the temperature controlled shaking plate. The device has to be controlled via a TEC Control Unit ( MTC or a STC).

## 2.4. Labels

The identification label with part number and serial number also contains important technical indications. The electrical specification on the label must meet your local situation. The label is placed on the bottom of the Teleshake device. The identification label must not be removed. If it has become illegible or falls off, it has to be replaced by a new identification label. New labels can be ordered at INHECO. In case the label is missing and you do not know the part number and serial number, they can also be read out with the software (MTC/STC Demo Tool) which can be downloaded from INHECO' login section on [www.inheco.com](http://www.inheco.com). → → Trouble Shooting and Support, page 19 f.

### Teleshake 95



Fig.2: Product labels on the device

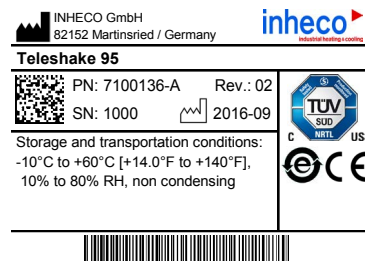


Fig.3: Shipment labels on the package



Fig.4: Label on Teleshake 95



## 2.5. Technical Data

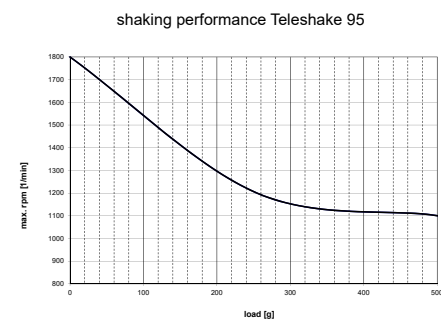
Technical Data incl. Dimensions	
	Teleshake 95 7100136
Input voltage / max. current	24 Vdc / 4.8A
Limits for operating ambient temperature	+15°C to +32°C [+59°F to 89.6°F]
Maximum load of the shaker platform	1.0 kg (see also performance curve)
Shaker frequency	100 to 1800 rpm
Masses above 20g reduce the max. speed	(see also performance curve)
Shaking amplitude	2 mm [0.07874 in]
Shaking direction	Orbital, diagonal or linear
O-position accuracy	± 0.1 mm [± 0.00394in]
Outer dimensions	146mm x 103mm x 55mm
Length x width x height	[5.75in x 4.06in x 2.165in]
Protection Category	IP 32
Weight including cables	2.5 kg [5.51 lbs]
Temperature control	ambient to +125°C (+257°F) <sup>1)</sup>

1)  
5K above ambient

Environmental Conditions		
Tolerable relative humidity	Operation	30-80% relative (non condensing)
	Transportation and storage	10-80% relative (non condensing)
Temperature	Operation	+15°C to +32°C [+59°F to 90°F]
	Transportation and storage	-10°C to + 60°C (+14°F to 140°F), non condensing

Movement pattern	Max. shaking frequency with microplate 96 depending on movement pattern
	Teleshake 95
n,w,s,e	1800
n,e,s,w	1800
nw, se,	700
ne, sw	700
n,s,	650
e, w	650

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**Fig.5: Performance characteristic for the orbital shaking mode**

## 3 SAFETY INSTRUCTIONS

### 3.1. Product-specific Risks



#### **WARNING**

Follow the safety instructions given below in order to avoid danger for user and device.

#### **General**

- The Teleshake devices (“the device”) hardly requires any maintenance, except of the cleaning, → Maintenance, page 19.
- The device has to be placed in an upright position. On non-observance, it will eventually overheat, causing the temperature fuse to blow.
- The main power switch must always be accessible.
- Do not exceed minimum or maximum ambient temperature and humidity conditions during operation or storage of the device → Technical Data, page 9.
- The device must not be used in environments with risk of explosion
- The device is for indoor use only.



#### **Burning Hazard:**

- Devices can burn your skin. Even after switching off the TEC Control Unit, the connected devices can still be hot and could seriously burn your skin as the material’s temperature can reach up to +125°C [+257°F]. It takes a while to cool down after the unit has been used.



#### **Electrical Shock:**

- The device must not be used if the device itself or the power cable shows visible signs of damage.
- You can suffer an electric shock and injuries, if Teleshake is not connected properly or if you do not disconnect the device from the TEC Control Unit outlet before opening the housing.
- Never connect or remove the power plug with wet hands.
- Original power cable provided by INHECO has to be used to guarantee safe and proper operation.
- The wall power outlet must have a ground earth connection (Safety Class 1).
- Where an ungrounded receptacle is encountered, a qualified electrician must replace it with a properly (PE) grounded receptacle in accordance with the local electrical code.
- Make sure that the electrical specification on the identification label at the side panel of the device meets your local situation. → Labels, page 8.

### **Biosafety Laboratory Environment**

- When using the devices in a Biosafety Laboratory Environment, the user is responsible for labeling it according to the WHO Laboratory Biosafety Manual (ISBN 92 4154650 6) and for operating the devices in accordance to this WHO Laboratory Biosafety Manual.

### **3.2. Technical Alterations**

- Do not alter the product. Any modification or change which is not approved by INHECO leads to the loss of warranty. Broken seals on INHECO devices lead to the loss of warranty as well.
- Use only original parts provided by INHECO. Parts provided by other suppliers can impair the functionality of the device.
- Damages due to the use of non-original parts are excluded from INHECO's liability.

### **3.3. Malfunctions**

- In case of a malfunction, switch off and disconnect the device immediately. Make sure to inform the authorized person in charge.
- Make sure that the malfunctioning device is not accidentally re-installed and used before the malfunction is effectively eliminated. → Trouble Shooting and Support, page 19.

## 4 HARDWARE INSTALLATION

### 4.1. Scope of Supply

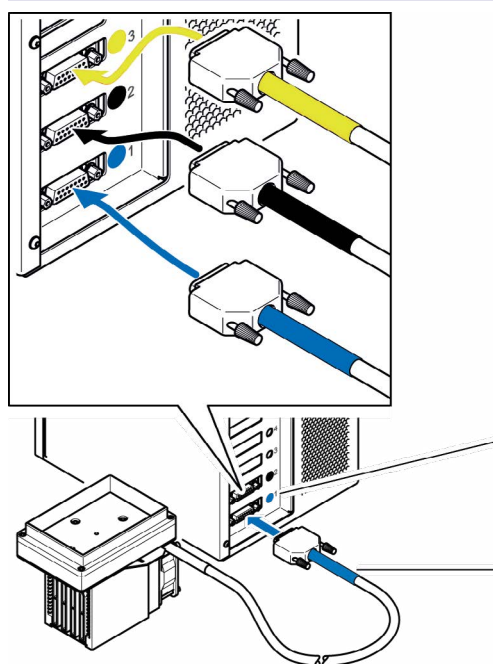
Before initial operation, make sure that the shipment of your unit is complete and neither packaging nor parts are damaged → Scope of Supply, chapter 2.2.

### 4.2. Initial Operation

#### 4.2.1. How to connect device to the MTC / STC

In order to connect an INHECO heating/cooling/shaking device, the TEC Control Unit has to be equipped with the corresponding Slot Module. There are blue, black, and red Slot Modules available. The following table shows the appropriate Slot Module for each heating/cooling/shaking device.

Product	Color	Article No.	Heating/cooling/shaking Unit
Blue Slot Module	blue	2400128	CPAC
Black Slot Module	black	2400125	CPAC HT 2-Tec, HeatPAC, Heated Lid, Teleshake 95, Thermoshake,
Yellow Slot Module	yellow	2400211	Thermoshake AC, Thermoshake AC 180, Teleshake AC, Teleshake 95 AC



For clear identification, all Slot Modules and connectors are marked in blue, black or red.

When connecting a new device, the color code has to be strictly respected.

In case of wrong connection, interaction will not be possible and an error message will be issued

The color coding of the Slot Modules is visible from the outside through small round windows.

At the connectors, the sleeve must be marked in the same color as the Slot Module.

**Fig.6:** Connecting a heating/cooling/shaking device (image shows CPAC)

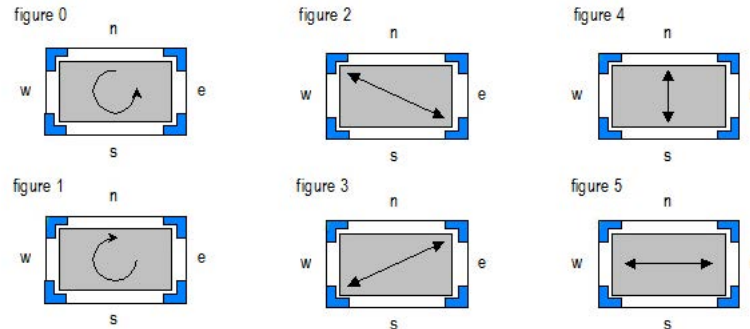
- Disconnect the power cord of the TEC Control Unit.
- Connect the heating/cooling/shaking device to the appropriate Slot Module and lock the connector. The Heated Lid must be connected to a Black Slot Module.
- Connect the power cord of the TEC Control Unit.
- Switch the TEC Control Unit on: The touch-screen display of the TEC Control Unit shows the name (or abbreviation) of the currently connected device. When multiple devices are installed, you can switch between the devices by touching the arrow left or arrow right button of the touch screen.

#### NOTE

Never plug in or plug out a device while the Controller is running. Always turn off the Controller before disconnecting or connecting a device.

### 4.3. Programming the Movement Shape

- For programming the shaking shape please use the command “SSSFigure” (please refer to the Firmware Command Set of the MTC or STC in login section of webpage [www.inheco.com](http://www.inheco.com)).



**Fig.7:** figure for movement shape

### 4.4. Labware use

A proper positioning of the disposable is absolutely essential to avoid uncontrolled motions of the plate, and to achieve the desired shaker frequency.

Tubes, reservoirs, and plates without flat bottoms require a thermal adapter (insert, nest), -> Installation of Adapters, page 15. A flat bottom plate can be placed directly onto the contact surface and is positioned by the corner brackets.

A custom-fit thermal adapter plate (insert, nest) for the temperature transfer into the tube or plate also ensures a proper positioning of the plate. The positioning brackets of the four corners can be taken off in case such a custom-fit adapter plate holds the labware in place. -> chapter 4.5 below. Visit [www.inheco.com](http://www.inheco.com) to find the custom-fit adapter for your disposable.

#### NOTE

Optimized temperature settings require a temperature off-set value adjusted to the thermal characteristics of the disposable. -> Manual MTC/STC for further details.

#### NOTE

As the temperature can be selected up to +125°C [+257°F] check whether your labware is suited for the selected temperature. If the temperature is too high for the material of your labware, the labware might get squashy or even melt.

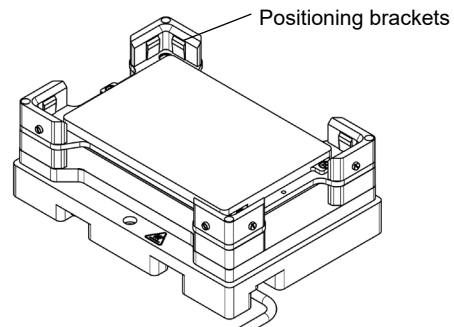
#### 4.5. Fixation of Labware

The fixing of the labware can be adjusted by the eight grub screws in the positioning brackets.

##### NOTICE

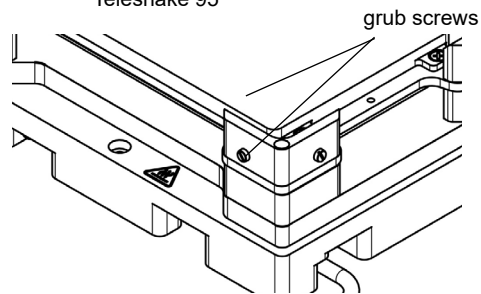
- Each different labware might need a different fixation as only this is the way to ensure the correct position. If placed in an adapter the fixation on Teleshake 95 is not necessary, except for flat bottom plates.

Teleshake 95



**Fig.8: Contact plate with positioning brackets**

Teleshake 95



**Fig.9: Positioning brackets and grub screws to fix the flat bottom micro plate**

##### NOTICE

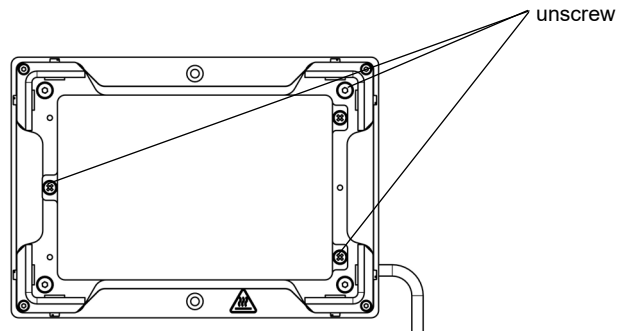
For the Teleshake 95 you need a standard screw driver.

## 4.6. Adapter Plates

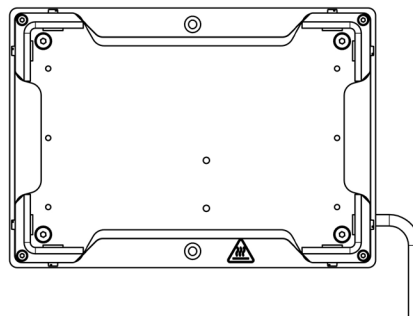
Each labware needs an adapter to ensure uniform heat exchange and optimized shaking. INHECO offers several standard adapters ( → chapter 8) and also to design and manufacture customized adapter.

There are two orientations possible how to install the adapter plates.

- unscrew the 3 screws at the edge for disassembling of the flat bottom Adapter

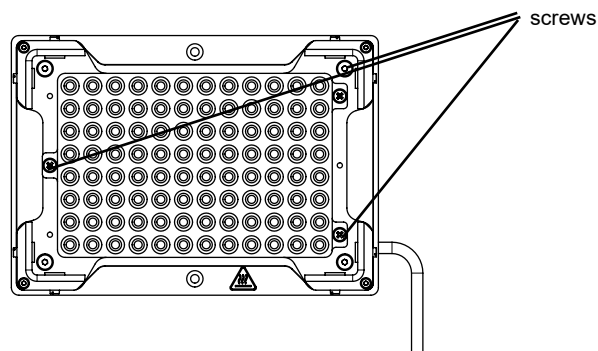


**Fig.10: Flat bottom adapter screwed to Teleshake 95 device**



**Fig.11: Teleshake 95 device without adapter**

- place the adapter on the Teleshake 95



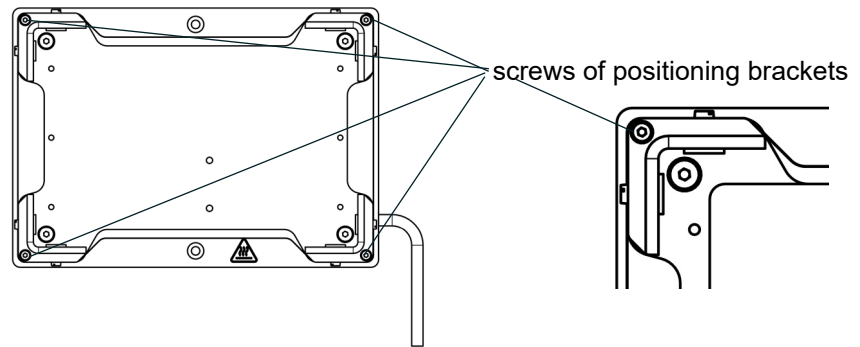
**Fig.12: PCR adapter screwed to Teleshake 95 device**

- screw the 3 screws back to the edges

#### 4.7. Removal of positioning brackets

If an adapter is placed on the Teleshake 95 the positioning brackets can be removed for easier positioning of the plates.

- unscrew the four screws within the positioning brackets



*Fig.13: Removal of positioning brackets*

#### **NOTICE**

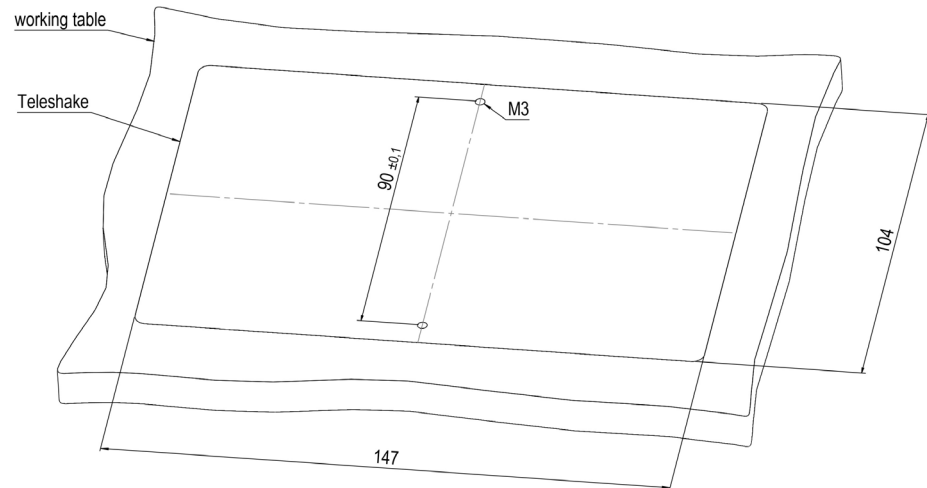
You need a socket wrench with 1.5 mm (not within scope of delivery).



#### 4.8. Mechanical Integration

The Teleshake devices are usually integrated into liquid handling workstations. The way of fixation depends on the hardware provided by the automation platform manufacturer. When the Teleshake devices are placed on a bench top, they must be fixed to the ground with two M3 screws via the thread holes of the units. The mounting surface must be firm and even.

Drilling schematic for secure mounting of the Teleshake unit on a working table is shown in the following figure.



**Fig.14: Drilling Scheme**

#### NOTE

Teleshake always needs to be fixed to the mounting surface for proper shaking performance.

Please contact INHECO for further information how to place the devices onto the working table to prevent damage from the unit or/and to assure that the Teleshakes are working with the given specifications.

## 5 SOFTWARE INSTALLATION

INHECO offers a software called Demo Tool to provide limited functional control (also possible via touchscreen of the MTC/STC) and the opportunity to send manually entered firmware commands to the devices.

We recommend to contact your workstation provider for integration (including software integration) of the MTC/STC with devices into your workstation.

## 6 DAILY USAGE

The devices can be operated by touch-screen at the front panel of the MTC/STC, by the Demo Tool software delivered by INHECO or by the software of your liquid handling workstation. The INHECO Demo Tool software and the touch-screen allow programming basic temperature and shaking sequences. More complex control sequences can be performed with the software of your robotic platform provider or if you write your own software based on our Firmware Command Set and DLL.

For more information consult the following documents:

- for touch-screen operation: MTC/STC Manual
- for software operation: Demo Tool Manual
- for firmware commands: MTC/STC Firmware Command Set

These documents are stored on the USB flash drive delivered with the controller or on [www.inheco.com](http://www.inheco.com).

### NOTE

Do not operate the Thermoshake devices in an ambient temperature of more than 32°C (90°F). Otherwise the devices may not work properly or may even get damaged.



### WARNING

Teleshake 95 can burn your skin. Even after switching off the TEC Control Unit, the connected devices can still be hot and could seriously burn your skin as the material's temperature can reach up to +125°C [+257°F]. It takes a while to cool down after the unit has been used.

### NOTE

As the temperature can be selected up to +125°C [+257°F] check whether your labware is suited for the selected temperature. If the temperature is too high for the material of your labware, the labware might get squashy or even melt.

# 7 MAINTENANCE

## 7.1. Software Updates

For updates of the Demo Tool Software, contact: [sales@inheco.com](mailto:sales@inheco.com) → How to contact INHECO, page 5.

## 7.2. Trouble-Shooting & Support

In case of an operation failure follow the trouble-shooting instructions of this chapter.

Please provide the following information when contacting INHECO for support:

- INHECO product number of the device (shown on device label)
- INHECO product name of the device (shown on device label)
- INHECO serial number of the device (shown on device label or via software)
- Detailed error description
- Error code report (generated with software “MTC/STC Demo Tool”)
- Information about setup of devices:
  - o integrated in workstation
  - o controlled by MTC or STC (incl. part number and serial number)
  - o controlled by workstation software or INHECO software

Serial numbers are shown on the device labels of the TEC Control Unit and connected devices, but you can also read them out by using INHECO's software “MTC/STC Demo Tool” (Demo Tool). The Demo Tool must also be used to generate the above mentioned report of error codes for the TEC Control Unit and all connected devices → Manual Demotool.

Based on the above information, INHECO's Techhotline decides about the requirement of a return. → Return for Repair only with RMA Number, page 21.

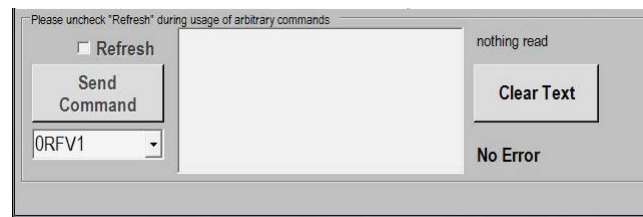
### 7.2.1. Installation of the Software “MTC/STC Demo Tool”

The Demo Tool can be downloaded from INHECO' website on [www.inheco.com](http://www.inheco.com). In this section you will also find the Demo Tool Manual with detailed instructions of the software.

Download the MTC/STC Demo Tool and the DLL file into the same folder. Both files must be saved **into the same folder, otherwise it is impossible to run the Demo Tool.**

### 7.2.2. Serial Numbers via Demo Tool

Start the Demo Tool and click on the button “find MTC” (or “find STC”). The software scans all Com-Ports and subsequently displays the connected MTC/STC as well as connected devices.



**Fig.15: Command section of User Interface**

- Make sure the Refresh Box is unchecked (as in fig. 15)
- Enter your command into the command field. (overwrite the last command written in this field e.g. 0RFV1)
- Select button “Send Command”
- Enter following Commands:
  - for MTC/STC Mainboard serial number: 0RFV2
  - for Slot Module serial number: xRFV2 (x=slotID: 1-6)
  - for external connected device: RSNx (x=slotID: 1-6)

### 7.2.3. Error Code Report generated with “MTC/STC Demo Tool”

- Start the Demo Tool
- Click on the button “find MTC” (or “find STC”).  
The software scans all Com-Ports and subsequently displays the connected MTC/STC as well as connected devices.
- Click on the button “report error codes”.  
An additional window appears in which all error codes are displayed. Email a screenshot of this window along with all other required information to **techhotline@inheco.com** .If screenshot does not show all information you want to report to INHECO please send the full text.

### 7.3. Cleaning



#### CAUTION

Before **cleaning** the Teleshake devices, disconnect the power and make sure that the temperature at the heating plate is below +50°C.

The contact surface should be cleaned regularly to ensure optimum heat transfer into the disposable and assay. Always clean the contact surface after a spillage. Use a cloth with a 50:50 water / isopropanol solution and make sure that no deposits are left on the surface. Liquids must not enter into the unit.

Do not use aggressive cleaning fluids such as acetone, or abrasive cleaners.

Contact INHECO in case you prefer other cleaning liquids or methods which may be harmful for the material of the devices.

### 7.4. Decontamination

Decontamination is required before return of a device to INHECO in case it has been exposed to human or animal blood/fluid/tissue or has been exposed to biological, chemical, or radioactive materials.

The surface decontamination should include a wipe-down of the housing surface with a decontaminating solution. A solution of 70% alcohol, bleach (5%-12%) or Microside SQ can be used where effective for the respective target material (organism). Otherwise the appropriate decontamination method and solution to eliminate any risk must be applied. Fumigation (e.g. with toxic formaldehyde or ethylene oxide gas) might be required if decontamination of unaccessible areas is needed but ensure to take precautions when using toxic gases or fluids for decontamination.

#### NOTICE

Contact INHECO if you are not sure whether the used decontamination method or solution could damage the device or its surface material.

#### NOTE

In case of **decontamination with gas**, make sure that no liquid enters inside the device because the device is still powered on. As ventilation is needed for an effective decontamination with gas.

### 7.5. Calibration / Verification

For proper performance of the Teleshake devices, it is recommended to verify the thermal and shaking performance at least once a year. Depending on the application, shorter verification intervals may be required. INHECO recommends to use the INHECO Measurement Plate (IMP) to perform the verification.

Please contact [techhotline@inheco.com](mailto:techhotline@inheco.com) in case of performance deviations from set values.

#### NOTICE

Please note that the set Heater Offset has an impact on the temperature verification of the device. Make sure that the Heater Offset is considered when performing the temperature verification.

## **7.6. Return for Repair only with RMA Number**

INHECO devices must be repaired by INHECO only. Parts must not be exchanged by the user. Exchange of parts or broken seals can lead to the loss of warranty. Spare Parts must be ordered from INHECO.

INHECO only accepts decontaminated devices for repair, firmware update, maintenance etc., in case the devices were exposed to blood, to other body fluids or tissues, to biological, chemical or radioactive materials.

→ Decontamination and Cleaning, page 21.

Devices which were exposed to biosafety level 3 and 4 environments are not accepted by INHECO for return.

Ask [techhotline@inheco.com](mailto:techhotline@inheco.com) or visit [www.inheco.com/service/returns-rma.html](http://www.inheco.com/service/returns-rma.html) for the return procedure before you return a device to INHECO. Do not return any devices without INHECO's RMA number. INHECO's RMA number must be shown on the outside of the return package. Returns without RMA number are not being processed by INHECO.

Devices should ideally be returned in the original packaging. If not possible, make sure that devices are sufficiently protected and cannot move within the package to avoid transportation damage.

## **7.7. Transportation and Storage**

It is recommended to keep the original packaging. INHECO devices should be shipped and stored in their original packaging. Adhere to required environmental conditions for transportation and storage → Technical Data, page 9.

## **7.8. Shut Down and Disposal**

The device has to be disposed of in accordance with environmental and biosafety directives. You have to arrange for correct electric waste disposal following actual safety regulations for your country.

All INHECO devices are RoHS and WEEE compliant.

## 8 ACCESSORIES

### 8.1. Multi TEC Control (MTC) / Single TEC Control (STC)

Product Name	Description	Part Number
Multi TEC Control	controls up to 6 INHECO devices individually	8900030
Single TEC Control	controls 1 INHECO device	8900031

### 8.2. Slot Modules

Product Name	Description	Part Number
Black Slot Module	connects CPAC HT 2-TEC, HeatPAC, Teleshake 95, Thermoshake, Heated Lid with MTC/STC	2400125

### 8.3. Adapter for Teleshake

For the Teleshake 95 all standard adapter can be downloaded from from INHECO' website [www.inheco.com](http://www.inheco.com) or requested from [sales@inheco.com](mailto:sales@inheco.com).

### 8.4. Miscellaneous

Product Name	Description	Part Number
INHECO Measurement Plate (IMP)	verification of temperature and shaking performance	7901000
Heated Lid	heating up to +135°C	8900033

## EC - Declaration of Conformity

in accordance with Directive 93/68/EEC (CE), 2014/30/EU (EMC), 2014/35/EU (LVD) and 2011/65/EU (RoHS II)

**Product:** Single TEC Control (STC), Single TEC Control Compact (STCC),  
Multi TEC Control (MTC), Multi TEC Control Compact (MTCC)  
(with Slots 2400125+2400128+2400211+2400205)  
connected with corresponding devices:  
CPAC Microplate, CPAC Ultraflat, Thermoshake or Teleshake, HeatPAC, Heated Lid

**Part No:** 8900029, 8900030, 8900031, 8900036, 8900033  
7000163, 7000168, 7000179, 7000190, 7000166, 7100136, 7100146, 7100144, 7100160,  
7100161, 7900046, 7100150, 7100151

**Standards (Safety):** EN 61010-1:2010 + A1:2019 + A1:2019/AC:2019  
EN 61010-2-010:2014  
EN 61010-2-101:2017

**Standards (EMC):** EN 55011:2016  
EN 61326-1:2013  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN 61000-4-2:2009  
EN 61000-4-3:2006 A1:2009 A2: 2010  
EN 61000-4-4:2004 A1:2010  
EN 61000-4-5: 2006  
EN 61000-4-6:2009  
EN 61000-4-8:2010  
EN 61000-4-11:2004

This product complies with the essential requirements of the Low Voltage Directive (LVD) and Electromagnetic Compatibility (EMC) directive, when used for its intended use.

**International Standards** For international standards please see UL certificate U8 046515 0033 Rev.00,  
U8 046515 0034 Rev.00 and U8 046515 0037 Rev. 01  
Download UL certificat: <http://www.inheco.com/service/certificates.html>

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Martinsried, May 2020