



Thermal Innovations and Products

Single TEC Control

► [Datasheet](#)

Single TEC Control

Product Description

The INHECO Single TEC Control (STC) is a compact plug & play temperature and RPM controller for the use with INHECO's CPAC, HeatPAC, Heated Lid and temperature controlled shaking devices. The high accuracy controller includes a device connector slot, a touch screen, a wide-range power supply for worldwide use, an USB interface, a rugged housing and a RPM controller for shaking operations.

The STC can be individually equipped with a controller slot module for either a CPAC, HeatPAC, Heated Lid or temperature controlled shaker device. The device slot can be exchanged easily, giving maximum flexibility. The STC can be either operated manually using the touch screen, or through an USB interface. The soft- and firmware of the controller allows programming of complex temperature and shaking sequences.



8900031: INHECO STC

Application Areas

The STC is mostly used together with the principal INHECO heating/cooling/shaking units in/on robotic platforms and systems in Lab Automation. The purpose is to form temperature controlled areas with direct and easy access by robotic grippers and pipetting heads. The STC is designed for the use in fundamental research, drug discovery, clinical research, diagnostics and other Life Science applications. The STC is also prepared for use in customer IVD applications.

The STC is used with the following INHECO heating/cooling units or accessories:

- CPAC Microplate
- CPAC Ultraflat
- HeatPAC
- Variomag Teleshake 95
- Variomag Thermoshake
- Heated Lid

For further information on these units, see the relevant data sheets, which can be downloaded from our website.



8900031: Backside with 12V Slot installed

Variants

The INHECO STC is specially designed for controlling a single temperature controlled position. For multiple controlled positions we refer to the datasheet Multi TEC Control (MTC), which can be downloaded from our website. The STC has to be equipped with a slot module board for the connection with the heating/cooling/shaking units. Two types are available, 12V (cover plate is blue) and 24V (cover plate is black).



The plug of the connected unit must have the same colour sleeve as the slot module, which is indicated next to connector. Slot modules can be easily exchanged.

Product	Colour	Article No.	INHECO heating/cooling/shaking units
Slot 12V		2400128	CPAC
Slot 24V		2400125	CPAC HT 2-TEC, Teleshake 95, Thermoshake, HeatPAC, Heated Lid



2400128: Slot Module 12V

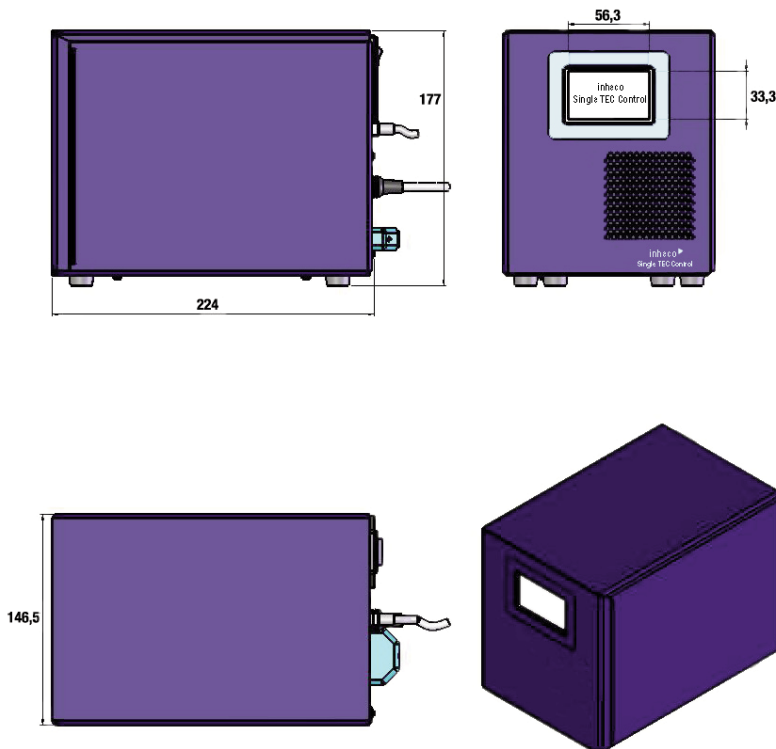
Main Specifications

Specification	Article # 8900031
Input	100-240Vac, 50/60 Hz
Output	1x 24Vdc, 4,5A
Accuracy	±0,5°C
Output CPAC Slot	12-14V, 4,5A
Output Shaker Slot	24V 4,5A
Ambient temperature at max. power	15°C to 32°C
Interface	USB (1.1 or 2.0)
Dimensions	147 x 224 x 177 mm
Weight	3,3 kg



8900031: Easy access to device slot

Drawings



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

INHECO
Industrial Heating & Cooling GmbH

Fraunhoferstrasse 11
82152 Martinsried
Germany

Tel.: +49 (0)89 899593-101
Fax: +49 (0)89 899593-149

E-mail: sales@inheco.com
www.inheco.com

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

