



Thermal Innovations and Products

Multi TEC Control

► [Datasheet](#)

Multi TEC Control

Product Description

The INHECO Multi TEC Control (MTC) is a compact plug & play temperature and RPM controller for the use with INHECO's CPAC, HeatPAC and temperature controlled shaking devices. The controller box includes a temperature controller with high accuracy, six device connector slots, a touch display, a wide range power supply for worldwide use, an USB interface, a rugged housing and a RPM controller for shaking operations.

Six different CPAC, HeatPAC and Shaker devices can be controlled simultaneously and independently. The MTC can be individually equipped with controller slots for CPAC/HeatPAC devices as well as with controller slots for temperature controlled shakers. The device slots can be exchanged easily, giving maximum flexibility. The MTC 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.

Application Areas

The MTC 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 MTC is designed for the use in fundamental research, drug discovery, clinical research, diagnostics and other Life Science applications. The MTC is also prepared for use in customer IVD applications.

The MTC is used with the following INHECO heating/cooling units:

- CPAC Microplate
- CPAC Ultraflat
- HeatPAC
- Variomag Teleshake
- Variomag Thermoshake

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

Variants

The INHECO MTC is specially created for multiple position TEC control. For single position TEC control units we refer to the datasheet Single TEC Control (STC), which can be downloaded from our website.



8900030: INHECO MTC



8900030: Backside

Product	Article No.	Dimension W x D x H (mm)	Weight (kg)
Multi TEC Control (MTC)	8900030	185 x 249 x 264	5,3 kg

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

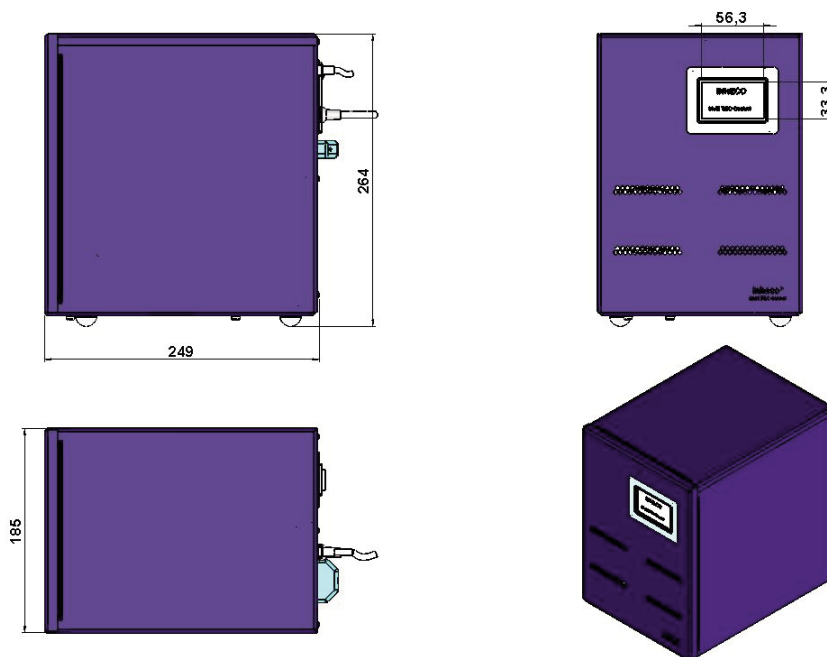
Main Specifications

Specification	8900030
Input	100-240Vac, 50/60 Hz
Output	6x 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



Simultaneous control of up to six different heating/cooling/shaking devices (in this case two CPAC Microplates, two Teleshakes, one Thermoshake and one CPAC Ultraflat)

Drawings



Accessories & Related Products

Product	Article No.
Slot CPAC / CPAC HT	2400128
Slot Shaker / CPAC HT 2-TEC / HeatPAC	2400125



8900030: Easy access to device slots

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

