

Lab Automation
Product Catalogue 2017

Lab Automation Products

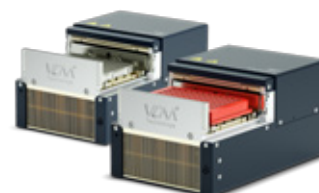
Thermal cycling, heating, cooling, shaking, incubation & verification

Thermal Cycling

The world's first thermal cycler for 96 and 384 wells purpose-made for use on deck of robotic workstations.

Product*	Part No.	Wells	Product	Part No.	Wells
ODTC® 96 L eft	8100100	96	ODTC® 384 L eft	8100200	384
ODTC® 96 B ack	8100101	96	ODTC® 384 B ack	8100201	384
ODTC® 96 R ight	8100102	96	ODTC® 384 R ight	8100202	384

* Power & Control Unit is identical for all ODTC® versions and included in scope of supply.
L, B, R indicates position of ventilation outlet.



ODTC® 384 + ODTC® 96

Main specifications for ODTC® 96 and ODTC® 384 Versions:

Product	Max. Heating Rate	Max. Cooling Rate	Uniformity	Temperature Range	Dimensions W x D x H (mm)
ODTC® 96	4.4 °C/s	2.2 °C	±0.20 °C	+4 °C to +99 °C	155 x 248 x 124
ODTC® 384	5.0 °C/s				



mixed incubator stack with:
Incubator MP
Incubator Shaker MP
Incubator DWP
Incubator Shaker DWP

Incubation & Shaking

Heating ramp for these contact heated incubators is up to 4 times higher, compared to conventional air-incubators.

Product	Part No.	Temperature range	RPM	Amplitude	# of plates
Incubator Shaker DWP	7300009	ambient to +80 °C	400 - 1.800	0 - 3 mm	1
Incubator Shaker MP	7300013	ambient to +80 °C	400 - 1.800	0 - 3 mm	1
Incubator DWP	7300006	ambient to +80 °C	-	-	1
Incubator MP	7300003	ambient to +80 °C	-	-	1

SCILA Incubator for 1 – 4 microplates with heating, humidity & CO₂ control will be launched in 2017.



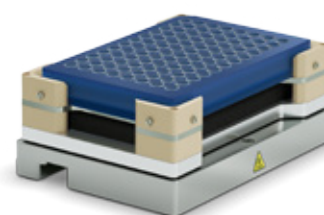
Thermoshake

Heating, Cooling & Shaking

Optimal shaking performance for tubes & plates with 1-384 wells.

Product	Part No.	Dimensions W x D x H (mm)	RPM	Temperature range
Thermoshake	7100146	104 x 147 x 118	100 - 2.000	+4 °C to +70 °C
Thermoshake RM ¹⁾	7100144	104 x 147 x 116	100 - 2.000	+4 °C to +70 °C
Teleshake 95 ²⁾	7100136	103 x 146 x 55	100 - 2.000	ambient +5K to +125 °C

1) For Tecan Roma gripper
2) no cooling function



Teleshake 95

Heating



High temperature heating with compact dimensions.

Product	Part No.	Temperature range	Dimensions W x D x H (mm)	Weight
HeatPAC	7900046	ambient to +135°C	128 x 89 x 40	310g
Heated Lid	8900033	ambient to +135°C	134 x 91 x 19	420g



HeatPAC with Flat Bottom Adapter & Positioning frame

Heating & Cooling



The CPAC HT 2-TEC devices are optimized for high temperature and regular temperature changes. The basic CPAC devices are designed to maintain a constant temperature.

Product	Part No.	Temp. range	Temp. cycling	Robotic installation
CPAC Ultraflat HT 2-TEC*	7000166	+4°C to +110°C	Yes	on deck
CPAC Ultraflat	7000190	+4°C to +70°C	No	on deck
CPAC Microplate HT 2-TEC*	7000163	+4°C to +110°C	Yes	inside deck or ALP
CPAC Microplate	7000179	+4°C to +70°C	No	inside deck or ALP

* CPAC HT 2-TEC devices are optimized for high temperature with temperature change within minutes. For cycling within seconds we refer to our thermal cycling devices (page 1).



CPAC Ultraflat

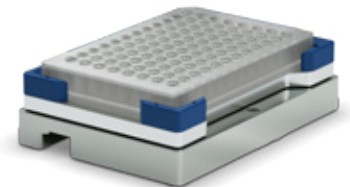
Shaking



Compact shakers with control modules for standard ANSI/SLAS plates / tubes.

Product	PartNo.	Tubes Wells	RPM	Amplitude	Dimensions W x D x H (mm)
Teleshake 230V EU	3800047	1-384	100 - 2.000	2 mm	103 x 146 x 39
Teleshake 115V US	3800048	1-384	100 - 2.000	2 mm	
Teleshake 230V UK	3800049	1-384	100 - 2.000	2 mm	
Teleshake 230V EU	3800063	1-384	100 - 2.000	3 mm	
Teleshake 115V US	3800064	1-384	100 - 2.000	3 mm	
Teleshake 100V JP	3800050	1-384	100 - 2.000	2 mm	
Teleshake 1536-6, 230V EU	3800069	384-	4.000	0.1 to	103 x 145 x 56
Teleshake 1536-8, 115V US	3800074	1536	- 8.500	1.0 mm	
Monoshake 115V	3800080	1-384	100 - 2.000	2 mm	103 x 146 x 40

Each shaker includes a Control Module. Further country-specific versions available.



Teleshake

Verification



Product	Part No.	Dimension W x D x H (mm)	Weight	Temp. Range
IMP	7901000	86 x 128 x 15	100 g	+4°C to + 100°C **

* NIST Calibration for shaking and temperature available

** For temperature verification above 60° C please contact INHECO for further information



IMP: INHECO Measurement Plate

Product	Part No.	Sensors Mount/Lid	Dimensions head W x D x H (mm)	Dimension data logger	Weight
OVT96	7902000	5/2	124 x 92 x 16	216 x 116 x 64	800g
OVT384	7902001	5/2	124 x 92 x 16	216 x 116 x 64	800g



OVT96: Data logger + sensor plate



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TEC Control Units

Our compact all-in-one controllers include temperature & shaker control. These controllers are required for HeatPAC, Heated Lid, CPAC, Teleshake 95 & Thermoshake.

Product	Part No.	Device Control	Dimensions	Interface
Multi TEC Control	8900030	up to 6	185 x 249 x 264 (mm)	USB
Single TEC Control	8900031	1	147 x 224 x 177 (mm)	USB



Multi TEC Control, Single TECControl

Slot Modules for TEC Control Units

Product	Part No.	Slot used for	Pre-install Part No.
Blue Slot Module	2400128	CPAC	2400128-9
Black Slot Module	2400125	HeatPAC, Heated Lid, Teleshake 95, Thermoshake	2400125-9



Multi TEC Control (MTC) with inserted slot modules and connected devices with corresponding color

Thermal Adapter Plates

More than 100 thermal adapters are available for temperature transfer from INHECO's heating/cooling/shaking devices into the wells & tubes of the disposable. Please see our website for standard & customized adapters. Other formats available upon request.



example of a DWP thermal adapter

www.inheco.com

This Product Flyer can also be downloaded from our website.