



Thermal Innovations and Products

# Product Flyer 2012

▶ LabAutomation

## CPAC / HeatPAC Devices

Compact heated & cooled position for standard SBS plates / tubes. For use on robotic platforms and systems, prepared for use in customer IVD applications.

Product	Article No.	Dimensions W x D x H (mm)	Weight (kg)	Temperature range
CPAC Microplate	7000179	89 x 128 x 103	1,0	+4°C to +70°C
CPAC Microplate HT 2-TEC	7000163	89 x 128 x 112	1,1	+4°C to +110°C
CPAC Ultraflat	7000190	88 x 128 x 80	1,0	+4°C to +70°C
CPAC Ultraflat HT 2-TEC	7000166	88 x 128 x 80	1,0	+4°C to +110°C
HeatPAC	7900046	88 x 128 x 40	0,5	Amb. to +135°C
Heated Lid	8900033	91 x 134 x 11	0,4	Amb. to +135°C

Adapter plates for different kinds of disposables are printed on the backside of this flyer. Height without upper delrin frame. The CPAC HT-2 TEC devices are optimized for high temperature and temperature cycling, the other CPAC devices are optimized for maintaining a constant temperature in the disposable.



7000179: CPAC Microplate



7900046: HeatPAC



## TEC Control

Plug & play temperature & RPM controller for use with CPAC, HeatPAC and Shaker devices. Settings are adjustable manually through touch screen or by PC through USB interface. Power input: 100 - 230 V, 50/60 Hz. MTC controls up to six different devices simultaneously and independently, STC controls one device. Prepared for use in customer IVD applications.

Product	Article No.	Dimension W x D x H (mm)	Weight (kg)	Interface
Multi TEC Control (MTC)	8900030	185 x 249 x 264	5,3	USB
Single TEC Control (STC)	8900031	147 x 224 x 177	3,3	USB



8900031: STC

## Verification Tools

Cordless verification plate in SBS format for measuring the temperature and shaking performance. Prepared for use in customer IVD applications. USB interface.

Product	Article No.	Dimension W x D x H (mm)	Temperature range	Shaking RPM range
INHECO Measurement Plate IMP	7901000	86 x 128 x 15	+4°C to +60°C	200-8.000



7901000: IMP

## Incubators

Stackable single position incubators for heating and shaking of microplates and deepwell plates. Prepared for use in customer IVD applications.

Product	Article No.	Dimension W x D x H (mm)	Temperature range	Shaking performance	
				Max. rpm	Amplitude
Incubator MP	7300003	149 x 268 x 52	Ambient to +80°C	–	–
Incubator DWP	7300006	149 x 268 x 104	Ambient to +80°C	–	–
Incubator ShakerMP	7300013	149 x 268 x 87	Ambient to +80°C	1.800	0-3 mm
Incubator ShakerDWP	7300009	149 x 268 x 87	Ambient to +80°C	1.800	0-3 mm



7300013: Incubator Shaker MP

### Available Auxiliary Equipment:

Product	Article No.	Input	Power Output
Power Supply FSP-180 AAA	2400121	110-230 V 50/60 Hz	24V / 7A

#### Note:

# 2400121: suited for 3 devices Incubator Shaker MP / DWP, 4 devices Incubator DWP or 6 devices Incubator MP



7300006: Incubator DWP

## Temperature Controlled Shakers

Compact heated & cooled shaker for standard SBS plates / tubes. For use mainly on robotic platforms and systems, stand alone usage is also possible.

Product	Article#	Dimension W x D x H (mm)	Temperature range	Shaking performance	
				Max. rpm	Amplitude
Variomag Teleshake 95	7100136	103 x 146 x 58	Ambient to +95°C	2.000	2 mm
Variomag Thermoshake	7100146	104 x 147 x 119	+4°C to +70°C	2.000	2 mm
Variomag Thermoshake RM	7100144	104 x 147 x 116	+4°C to +70°C	2.000	2 mm



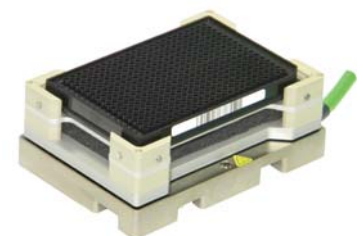
7100146: Thermoshake

Adapter plates for different kinds of disposables are available, including customizing.

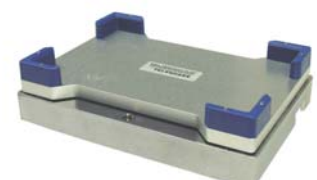
## Non heated Shakers

Compact shakers for standard SBS plates / tubes. For use mainly on robotic platforms and systems, stand alone usage is also possible.

Product	Article#	Dimension W x D x H (mm)	External Control	Shaking performance	
				Max. rpm	Amplitude
Variomag Teleshake MTC	7100137	103 x 146 x 40	MTC/STC	2.000	2 mm
Variomag Teleshake 230V	3800047	103 x 146 x 40	RS232 Module	2.000	2 or 3 mm
Variomag Teleshake 110V	3800048	103 x 146 x 40	RS232 Module	2.000	2 or 3 mm



7100136: Teleshake 95



3800047: Variomag Teleshake

## Accessories

In order to maximize the use of our LabAutomation products, we offer a broad range of accessories, a selection of which is shown below. For more details, please refer to the respective product datasheet.

Product	Article #	Description	Used in/for:
Cooling Fluid	3800053	Cooling Fluid for Thermoshake	Variomag Thermoshake
Flat Bottom Adapter	7900016	Thermal interface between heating/ cooling unit and disposable	CPAC Microplate
96 well PCR Adapter	3200203		CPAC Ultraflat
384 well PCR Adapter	3200204		HeatPAC
Slot 12V	2400128	Slot to connect heating/shaking unit with MTC/STC control unit	MTC/STC and all non- incubator units
Slot 24V	2400125		
Flat Bottom Adapter	3201087	Thermal interface between shaker unit and disposable	Variomag Teleshake
96 well PCR Adapter	3201085		Variomag Thermoshake
384 well PCR Adapter	3201086		
External Sensor	2400140	External temperature and humidity sensor to monitor ambient conditions	MTC STC
Round Bottom Adapter	7900042	Thermal interface between incubator unit and disposable	Incubator Shaker MP Incubator Shaker DWP
Temperature Calibration	7901002	IMP Temperature Calibration NIST/DAkkS	IMP
Shaking Calibration	7901003	IMP Shaking Calibration NIST/DAkkS	IMP



8900033: Heated Lid



7900019: Flat Bottom Adapter



2400128: Slot 12V



2400140: Ext. Sensor

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For further information, please download the respective data sheets from the download section of our website, or contact our sales department.

