

thermo scientific



# Thermo Scientific Heratherm Microbiological Incubators

Safe, easy and efficient

**ThermoFisher**  
SCIENTIFIC

# Thermo Scientific Heratherm Microbiological Incubators

your samples

We are obsessed with sample integrity. Each of our new laboratory microbiological incubators is designed with sample protection as top priority.



our obsession

**Heratherm® microbiological incubators are available in four different models, providing three different incubator airflow technologies in a choice of six sizes.**

- Compact
- General Protocol
- Advanced Protocol
- Advanced Protocol Security



Thermo Scientific Heratherm microbiological incubators family includes optional stainless steel models. All units are **CE** marked.



## Discover why laboratories across the globe rely on Thermo Scientific products every day.

Successful incubation is dependent upon the environmental conditions. As such, you need to trust that your valuable samples are maintained in a safe and efficient manner.

Heratherm microbiological incubators are designed to provide long-term performance with optimal conditions – and are backed by a two-year warranty on parts and labor, meaning confidence for your investment.\*

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### safe

- Safe view of samples through internal glass door, without impact on temperature
- Safe conditions with exceptional temperature uniformity
- Safe containment with automatic overtemperature alarm
- Alarm for temperature deviations

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### easy

- Easy temperature setting with intuitive user interface
- Easy to remove shelf system
- Easy to clean interior with rounded corners
- Easy to read large display

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### efficient

- Efficient small footprint to optimize laboratory space
  - Efficient utilization of interior with flexible shelf system
  - Conveniently stackable without the need for tools or stacking kits\*\*
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\*Subject to Thermo Fisher Scientific Standard Limited Warranty. See [www.thermofisher.com](http://www.thermofisher.com) or product literature for details.  
\*\*based on internal testing 10/2010.

# Innovative technology for outstanding versatility



FEATURES	COMPACT INCUBATOR		GENERAL PROTOCOL INCUBATORS		ADVANCED PROTOCOL INCUBATORS		ADVANCED PROTOCOL SECURITY INCUBATORS	
	table top	table top	table top	large capacity	table top	table top	large capacity	
Temperature range	17 - 40 °C		ambient +5 °C - 75 °C		ambient +5 °C - 105 °C		ambient +5 °C - 105 °C	
Convection technology	Mechanical		Gravity		Dual		Dual	Mechanical
Fan speed adjustable	•		•		6 speeds		6 speeds	gentle / fast
Rounded corners	✓		✓		✓			✓
Microprocessor control	✓		✓		✓			✓
Automatic overtemperature alarm	•		✓		✓			✓
Access port	•		✓		✓			✓
Stackable	•		✓	•	✓		✓	•
Stainless steel interior	•		1.4016		1.4301			1.4301
RS232 interface	•		✓		✓			✓
Internal glass door	•		✓		✓			✓
Easy calibration routine	•		✓		✓			✓
Timer functions	•		On / Off		choice of weekly/ hourly/ real time		choice of weekly/ hourly/ real time	
Dry alarm contact for connection of alarm device	•		•		✓			✓
Optional stainless steel exterior	•		•		✓			✓
Certified decontamination cycle	•		•		•			✓
Automatic undertemperature alarm	•		•		•			✓
Door alarm	•		•		•			✓
Lockable door	•		•		•		✓	•
Connection for optional sample temperature sensor	•		•		•			✓

## Three airflow technologies

# 01

### Gravity convection

provides gentle airflow, with minimized drying out of samples. The best choice for applications with open plates or open containers.

# 02

### Mechanical convection

provides even higher temperature uniformity and stability to ensure an optimal environment for your samples. Fan enables fast recovery time after opening the door. A mechanical convection incubator can even be used for drying applications at high temperature settings – eliminating the need for an additional oven.

# 03

### NEW! Dual convection

is a unique technology which allows the operator to choose the fan speed – from 0% (which equals gravity convection) up to 100%. Depending on the application, the speed can be adapted to provide optimal airflow for your valuable samples. Even at 0% fan speed, temperature uniformity and stability are great.



# Select the right model for your needs

## Selector Guide

APPLICATION	MATERIAL/ SOLUTION	SAMPLE REQUIREMENTS	RECOMMENDED SOLUTION
<b>Bacterial research</b>	Bacteria	Temperatures between 30 °C and 70 °C	General Protocol, Advanced Protocol or Advanced Protocol Security for highest temperature accuracy, and time control
<b>Microbiology</b>	Microorganisms, cells	Temperatures between 30 °C and 50 °C	
<b>Coliform determination</b>	Bacteria	Temperature around 37 °C	
<b>Histology</b>	Tissue	Temperature around 37 °C	
<b>Paraffin embedding</b>	Paraffin	Temperatures of 37 °C to around 50 °C	
<b>Egg incubation</b>	Eggs	Temperature around 37 °C	General Protocol, Advanced Protocol or Advanced Protocol Security for highest temperature accuracy, and time control
<b>Heated storage</b>	Media, samples	Temperature depends on material and specific application – between 30 °C and 105 °C	General Protocol for temperatures up to 75 °C, Advanced Protocol or Advanced Protocol Security for highest temperature accuracy, and time control – up to 105 °C
<b>Gene cloning</b>	Bacteria, cells	Temperature around 37 °C	Advanced Protocol for highest temperature accuracy and time control Advanced Protocol Security with additional safety features for peace of mind
<b>Pharmaceutical stability testing</b>	Various	Temperatures of 37 °C up to 105 °C	
<b>Food and beverage testing</b>	Various	Temperatures of 37 °C up to 105 °C	
<b>BOD/water pollution testing</b>	Water	Temperature around 20 °C	Compact
<b>Yeast growth</b>	Yeast	Temperatures between 10 °C and 37 °C	General Protocol for temperatures above ambient +5 °C
<b>Hatching of insects, fish</b>	Insects	Temperature near or below ambient	Advanced Protocol or Advanced Protocol Security for highest temperature accuracy or Compact for temperatures as low as 17 °C For lower temperatures check the Heratherm refrigerated models at <a href="http://www.thermoscientific.com/incubators">www.thermoscientific.com/incubators</a>

## Footprint Comparison\*



Making best use of valuable space in your lab, Heratherm microbiological incubators are designed with a very small footprint ratio compared to the interior volume. In addition they are stackable without the need of any tools or stacking devices.\*\*

manufacturer A

manufacturer B

## Maximized space efficiency



\*based on competitors' published specs; \*\* optional stacking kit only required if decon cycle or oven is used below, or for stacking different sizes

# Thermo Scientific Heratherm Compact Incubator

The most compact unit of the Heratherm microbiological incubator family has an 18 L capacity, ideal for a personalized workspace.



Heratherm Compact  
microbiological incubator, 18 L

smart solution for small  
volume applications

- Minimal footprint for space restricted lab areas
- Temperatures even below ambient, due to energy efficient Peltier technology
- High temperature accuracy
- Internal light facilitates sample observation

Easy to use interface



## Specifications table/order numbers Compact Incubators

Order number	50125882	
Model	IMC18	
Convection technology	Mechanical convection	
Temperature range	°C	17 °C to 40 °C
Spatial temperature deviation	at 37 °C	± 1.2 °C
Temperature deviation over time	at 37 °C	± 0.2 °C
Footprint	m <sup>2</sup> / sqft	0.12 / 1.3
Chamber volume	L / cuft	approx. 18 / 0.65
Dimensions	chamber, mm / in (W x H x D)	180 x 310 x 290 / 7.1 x 12.2 x 11.4
	exterior, mm / in (W x H x D)	260 x 415 x 470 / 10.2 x 16.3 x 18.5
Number of shelves	supplied / positions	2 / 3
Max. shelf load	kg / lb	2 / 4.4
Rated voltage / frequency	V / Hz	100 - 240 / 50/60
Rated power / max. current	W / A	45 / 0.45 - 0.85
Weight	kg / lb	7.2 / 15.9
Energy consumption at 37 °C	W	14

NOTE: All figures in all tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

# Thermo Scientific Heratherm General Protocol Incubators

Designed for routine applications in pharmaceutical, medical, food and research laboratories.



Heratherm microbiological Incubators have a smooth inner chamber with easy to clean rounded corners

Heratherm General Protocol microbiological incubators, 60 L, 100 L, 180 L models

The flexible shelf system can be removed with just a finger click to easily clean the chamber

intelligent design  
for improved results

- Gravity convection provides gentle air flow and minimal drying out
- Temperature range from ambient +5 °C up to 75 °C
- Temperature uniformity of  $\pm 0.6$  °C
- Temperature stability of  $\pm 0.2$  °C
- Corrosion resistant stainless steel chamber (1.4016)

easy to use interface

- Intuitive user interface for easy temperature setting
- Large vacuum fluorescent display for easy reading
- Intuitive 24 hour timer function to program automated switch on or off



## Specifications table/order numbers General Protocol Incubators

Order number		51028130	51028131	51028132
Model		IGS60	IGS100	IGS180
Convection technology		Gravity convection	Gravity convection	Gravity convection
Temperature range	°C	ambient +5 °C to 75 °C	ambient +5 °C to 75 °C	ambient +5 °C to 75 °C
Spatial temperature deviation	at 37 °C	$\pm 0.6$ °C	$\pm 0.6$ °C	$\pm 0.6$ °C
Temperature deviation over time	at 37 °C	$\pm 0.2$ °C	$\pm 0.2$ °C	$\pm 0.2$ °C
Footprint	m <sup>2</sup> / sqft	0.3 / 3.2	0.36 / 3.9	0.47 / 5.1
Chamber volume	L / cuft	75 / 2.6	117 / 4.0	194 / 6.85
Dimensions	chamber, mm / in (W x H x D)	354 x 508 x 414 / 13.9 x 20.0 x 16.3	464 x 608 x 414 / 18.3 x 23.9 x 16.3	464 x 708 x 589 / 18.3 x 27.9 x 23.2
	exterior <sup>1</sup> , mm / in (W x H x D)	530 x 755 x 565 / 20.9 x 29.7 x 22.2	640 x 855 x 565 / 25.2 x 33.7 x 22.2	640 x 955 x 738 / 25.2 x 37.6 x 29.1
Number of shelves	supplied / positions	2 / 13	2 / 16	2 / 19
Max. shelf load	kg / lb	25 / 55	25 / 55	25 / 55
Rated voltage / frequency	V / Hz	230 / 50/60	230 / 50/60	230 / 50/60
Rated power / max. current	W / A	300 / 1.3	520 / 2.3	710 / 3.1
Weight	kg / lb	40 / 88	51 / 112	65 / 143
Energy consumption at 37 °C	W	21	26	31

<sup>1</sup> Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (80mm / 3.1 in.); height includes the feet (35mm / 1.4 in.)  
NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

# Thermo Scientific Heratherm Advanced Protocol Incubators

Exceptional temperature performance  
for demanding applications.

## Advanced digital timer



- Turn the unit off at specific time – can be used to interrupt cell growth at specified time: Choose from real time or hour-settings
- Unit is switched on and off at specified time – no need to waste energy when unit is not in use!



Thermo Scientific Heratherm Advanced Protocol  
microbiological incubator with unique dual  
convection

design innovation for  
superior results

- Dual convection for versatility of application: fan speed adjustable from 0 to 100%
- Advanced digital timer for daily or weekly on/off cycles
- Stainless steel interior (1.4301) is easy to clean and corrosion resistant

advanced  
temperature performance

- Broad temperatures range from 5 °C above ambient to 105 °C – even suitable for drying application
- Temperature uniformity as good as  $\pm 0.2$  °C
- Temperature stability at  $\pm 0.1$  °C

## Specifications table/order numbers Advanced Protocol Incubators

Order number (coated exterior)	51028133	51028134	51028135
Model	IMH60	IMH100	IMH180
Order number (coated exterior)	51028717	51028718	51028719
Model	IMH60 SS	IMH100 SS	IMH180 SS
Convection technology	Dual convection	Dual convection	Dual convection
Temperature range	ambient +5 °C to 105 °C		ambient +5 °C to 105 °C
Spatial temperature deviation <sup>1</sup>	at 37 °C $\pm 0.6 / \pm 0.2$ °C	$\pm 0.6 / \pm 0.3$ °C	$\pm 0.6 / \pm 0.4$ °C
Temperature deviation over time	at 37 °C $\pm 0.1$ °C	$\pm 0.1$ °C	$\pm 0.1$ °C
Footprint	m <sup>2</sup> / sqft 0.3 / 3.2	0.36 / 3.9	0.47 / 5.1
Chamber volume	L / cuft 66 / 2.3	104 / 3.67	178 / 6.3
Dimensions	chamber, mm / in (W x H x D) 354 x 508 x 368 / 13.9 x 20.0 x 14.5	464 x 608 x 368 / 18.3 x 23.9 x 14.5	464 x 708 x 543 / 18.3 x 27.9 x 21.4
	exterior <sup>2</sup> , mm / in (W x H x D) 530 x 755 x 565 / 20.9 x 29.7 x 22.2	640 x 855 x 565 / 25.2 x 33.7 x 22.2	640 x 955 x 738 / 25.2 x 37.6 x 29.1
Number of shelves	supplied / positions 2 / 13	2 / 16	2 / 19
Max. shelf load	kg / lb 25 / 55	25 / 55	25 / 55
Rated voltage / frequency	V / Hz 230 / 50/60	230 / 50/60	230 / 50/60
Rated power / max. current	W / A 850 / 3.7	1100 / 4.8	1300 / 5.7
Weight	kg / lb 45 / 99	56 / 123	70 / 154
Energy consumption at 37 °C <sup>1</sup>	W 23 / 65	30 / 68	36 / 78

<sup>1</sup> Values refer to: fan off / fan full speed. <sup>2</sup> Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (80mm / 3.1 in.); height includes the feet (35mm / 1.4 in.) NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.



# Thermo Scientific Heratherm Advanced Protocol Security Incubators

Incorporates additional safety features  
for ultimate sample protection.

Heratherm Advanced Protocol Security  
microbiological incubator with unique  
dual convection and additional alarm  
systems



Lockable door for restricted access



## 140 °C push button decontamination

Building on our established CO<sub>2</sub> incubator  
decontamination technology, introducing the first  
microbiological incubators with an independently  
certified 140 °C decontamination routine<sup>4</sup>.

intelligent design for improved results

superior sample protection

140 °C decontamination

- Lockable incubator door for restricted access
- Audible alarm if the door is left open accidentally



- Automatic over- and under temperature alarm

- At 140 °C contaminating microorganisms are reduced to a minimum, comparable to sterilization, within a six hour cycle
- No need for separate autoclaving of interior fittings
- Certified by an accredited microbiological institute<sup>3</sup>

Specifications table/order numbers Advanced Protocol Security Incubators

Order number (coated exterior)	51028136	51028137	51028138
Model	IMH60-S	IMH100-S	IMH180-S
Order number (stainless steel exterior)	51028541	51028542	51028543
Model	IMH60-S SS	IMH100-S SS	IMH180-S SS
Convection technology	Dual convection	Dual convection	Dual convection
Temperature range	°C ambient +5 °C to 105 °C	°C ambient +5 °C to 105 °C	°C ambient +5 °C to 105 °C
Spatial temperature deviation <sup>1</sup>	at 37 °C ± 0.6 / ± 0.2 °C	± 0.6 / ± 0.3 °C	± 0.6 / ± 0.4 °C
Temperature deviation over time	at 37 °C ± 0.1 °C	± 0.1 °C	± 0.1 °C
Footprint	m <sup>2</sup> / sqft 0.3 / 3.2	0.36 / 3.9	0.47 / 5.1
Chamber volume	L / cuft 66 / 2.3	104 / 3.67	178 / 6.3
Dimensions	chamber, mm / in (W x H x D) 354 x 508 x 368 / 13.9 x 20.0 x 14.5	464 x 608 x 368 / 18.3 x 23.9 x 14.5	464 x 708 x 543 / 18.3 x 27.9 x 21.4
	exterior <sup>2</sup> , mm / in (W x H x D) 530 x 755 x 565 / 20.9 x 29.7 x 22.2	640 x 855 x 565 / 25.2 x 33.7 x 22.2	640 x 955 x 738 / 25.2 x 37.6 x 29.1
Number of shelves	supplied / positions 2 / 13	2 / 16	2 / 19
Max. shelf load	kg / lb 25 / 55	25 / 55	25 / 55
Rated voltage / frequency	V / Hz 230 / 50/60	230 / 50/60	230 / 50/60
Rated power / max. current	W / A 1390 / 6.1	1390 / 6.1	1390 / 6.1
Weight	kg / lb 45 / 99	56 / 123	70 / 154
Energy consumption at 37 °C <sup>1</sup>	W 23 / 65	30 / 68	36 / 78

<sup>1</sup> Values refer to: fan off / fan full speed. <sup>2</sup> Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (80mm / 3.1 in.); height includes the feet (35mm / 1.4 in.)

<sup>3</sup> Verified by independent testing facility (IBFE 9/2010). <sup>4</sup> Height of stand including casters: 187 mm. NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

# Thermo Scientific Heratherm Large Capacity Incubators General Protocol Models

Designed with your need for high sample volume or larger samples in mind.



Heratherm large capacity incubators are available as 400 L and 750 L units

400 L

750 L

## efficiency

- Two sizes (400 L and 750 L)
- Gravity convection technology with unique airflow – designed for minimal drying out of samples
- Flexible shelf system for optimal use of chamber volume

## safety

- Automatic overtemperature alarm system to protect samples – no need for timely manual setting
- Inner glass door for undisturbed viewing of samples
- Inner chambers made from corrosion-resistant stainless steel (1.4016)
- Protect delicate samples with stable temperature conditions: uniformity of up to  $\pm 0.5$  °C and temperature stability of  $\pm 0.4$  °C at 37 °C



180° door opening allows convenient access to the interior for hassle free cleaning and easy loading of probes.

Easy to view, vacuum fluorescence display with push-button simplicity



Lockable casters for easy set-up and moving



### maximum convenience

- Large, easy-to-view, vacuum fluorescent display with simple-to-use touch button operation controlled by an onboard microprocessor
- Doors can be opened to 180° angle for easy access and use
- Stainless steel inner chamber with rounded edges for easy cleaning
- Lockable casters for easy mobility and stability
- Standard access port can be used for independent data monitoring

### Specifications table/order numbers Large capacity General Protocol Incubators

Order number	51029322	51029334
Model	IGS400	IGS750
Convection technology	gravity convection	gravity convection
Temperature range	°C ambient +5 °C to 75 °C	°C ambient +5 °C to 75 °C
Spatial temperature deviation at 37 °C	± 0.5 °C	± 1.3 °C
Temperature deviation over time at 37 °C	± 0.4 °C	± 0.4 °C
Footprint	m <sup>2</sup> / sqft 0.56 / 6.0	m <sup>2</sup> / sqft 0.91 / 9.8
Chamber volume	l / cuft 405 / 14.3	l / cuft 747 / 26.4
Dimensions chamber mm / in (W x H x D)	544 x 1307 x 569 / 21.4 x 51.5 x 22.4	1004 x 1307 x 569 / 39.5 x 51.5 x 22.4
exterior <sup>1</sup> mm / in (W x H x D)	778 x 1653 x 770 / 30.6 x 66 x 30.3	1261 x 1653 x 770 / 49.6 x 66 x 30.3
Number of shelves supplied / positions	2 / 39	2 / 39
Max. shelf load	kg / lb 30 / 66	kg / lb 30 / 66
Rated voltage / frequency	V / Hz 230 / 50/60	V / Hz 230 / 50/60
Rated power / max current	W / Amp 1150 / 5.0	W / Amp 1500 / 6.5
Weight	kg / lb 145 / 320	kg / lb 201 / 443
Energy consumption at 37 °C	W 55	W 80

<sup>1</sup> Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (106mm / 4.2 in.); height includes the casters (108mm / 4.3 in.)

NOTE: All figures in all tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

# Thermo Scientific Heratherm Advanced Protocol Security Incubators

Mechanical convection technology provides exceptional temperature uniformity and stability to ensure fully reproducible results. An extensive range of additional features provides even more flexibility, accuracy and dependability.



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## prime performance

- Mechanical convection technology ensures optimal temperature distribution with improved level of temperature uniformity:  $\pm 0.2$  to  $0.3$  °C
- Temperature range from ambient  $+5$  °C to  $105$  °C for application flexibility: units can even be used for drying applications

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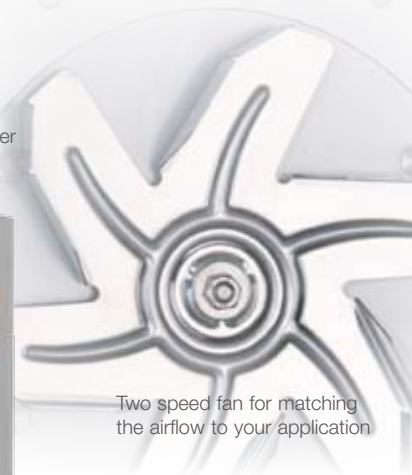
## added safety

- Unique  $140^{\circ}\text{C}$  decontamination cycle eliminates the need for separate autoclaving or use of toxic decontaminants
- 2-speed fan for application flexibility:
  - > Slow speed for incubation applications that require reduced drying out
  - > High speed for best temperature uniformity and stability
- An additional undertemp alarm provides safety even when the temperature deviates below set point
- Door alarm notifies operator if door is left open



Advanced protocol security units available in stainless steel exterior.

Access port for independent sensor or use of shaker / stirrer inside the unit



Two speed fan for matching the airflow to your application



## Additional features

Best temperature performance and unique certified decontamination cycle.



## enhanced efficiency

- Sophisticated timer extends the automation options available to user
  - > Choose between a simple on/off timer, recurring weekly timer or set incubator activity based on the 24-hour clock
- Inner chamber made from stainless steel (highly resistant quality 1.4301)

### Specifications table/order numbers Large Capacity Advanced Protocol Security Incubators

Order number (coated exterior)		51029325	51029337
Model		IMH400-S	IMH750-SS
Order number (stainless steel exterior)		51029326	51029338
Model		IMH400-S SS	IMH750-S SS
Convection technology		mechanical convection	mechanical convection
Temperature range		ambient +5 °C to 105 °C	ambient +5 °C to 105 °C
Spatial temperature deviation at 37 °C		± 0.2 °C	± 0.3 °C
Temperature deviation over time at 37 °C		± 0.2 °C	± 0.2 °C
Footprint		m <sup>2</sup> / sqft	0.56 / 6.0
Volume of workspace		l / cuft	0.91 / 9.8
Dimensions			
chamber mm / in (W x H x D)		544 x 1335 x 524 / 21.4 x 52.6 x 20.6	1004 x 1335 x 524 / 39.5 x 52.6 x 20.6
exterior <sup>1</sup> mm / in (W x H x D)		778 x 1653 x 770 / 30.6 x 66 x 30.3	1261 x 1653 x 770 / 49.6 x 66 x 30.3
Number of shelves		supplied / positions	2 / 39
Max. shelf load		kg / lb	30 / 66
Rated voltage / frequency		V / Hz	230 / 50/60
Rated power / max current		W / Amp	1380 / 6.0
Weight empty		kg / lb	1610 / 7.0
Energy consumption at 37 °C		W	205 / 452
			87
			149

<sup>1</sup> Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (106mm / 4.2 in.); height includes the casters (108mm / 4.3 in.)  
NOTE: All figures in all tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

# Stainless Steel Exterior

An optional stainless steel exterior is available for the Advanced Protocol and Advanced Protocol Security models.



Heratherm Advanced Protocol Security microbiological incubators with stainless steel exterior

## Maximized performance:

- Robust and corrosion-resistant surface
- Easy to clean
- Meets demanding needs in pharmaceutical and clinical laboratories



# Proven Results

Heratherm incubators offer exceptional data monitoring systems that provide the key to reliable results.



RS232 standard on all GP, AP, and APS models/sizes

## Check the unique optional sample sensor for Advanced Protocol Security models:

- Measure exact sample temperature, shown on display in addition to chamber temperature
- Additional peace-of-mind for safety of your precious samples
- Easy connection at rear of unit



## data monitoring capabilities

- All models have an access port
  - > Ideal for insertion of an independent sample temperature sensor, for Good Laboratory Practice (GLP) compliance
  - > Large diameter of 42 / 1.65 (38 / 1.1)\* mm/inches fits standard plug
  - > Covered by stopper to prevent any temperature disturbance
- All models incorporate a standard RS232 interface
- Advanced Protocol Security models include a socket for independent sample sensor (option) when connected, exact sample temperature is shown on display

\* General Protocol large capacity units only

# Accessories

## Specifications table/order numbers

DESCRIPTION	ORDER NUMBER	DETAILS
<b>Perforated shelves</b>		
Perforated shelf Compact	50125605	Stainless steel perforated shelf for Compact incubator; 180 x 290 mm
Perforated shelf General Protocol 60 L	50127770	Stainless steel perforated shelf for General Protocol 60 L; including 2 shelf supports; 329 x 376 mm
Perforated shelf General Protocol 100 L	50127771	Stainless steel perforated shelf for General Protocol 100 L; including 2 shelf supports; 439 x 376 mm
Perforated shelf General Protocol 180 L	50127772	Stainless steel perforated shelf for General Protocol 180 L; including 2 shelf supports; 439 x 551 mm
Perforated shelf Advanced Protocol / Security 60 L	50127773	Stainless steel perforated shelf for Advanced Protocol / Advanced Protocol Security; 60 L; incl. 2 shelf Advanced Protocol supports; 329 x 330 mm
Perforated shelf Advanced Protocol Security 100 L	50127774	Stainless steel perforated shelf for Advanced Protocol / Advanced Protocol Security; 100 L; including 2 shelf Advanced Protocol / supports; 439 x 330 mm
Perforated shelf Advanced Protocol Security 180 L	50127777	Stainless steel perforated shelf for Advanced Protocol / Advanced Protocol Security; 180 L; including 2 shelf Advanced Protocol / supports; 439 x 505 mm
Perforated shelf 400 L	50135241	Stainless steel perforated shelf for General Protocol / Advanced Protocol Security 400 L; incl. 2 shelf supports; 528 x 498 mm
Perforated shelf 750 L	50135242	Stainless steel perforated shelf for General Protocol / Advanced Protocol Security 750 L; incl. 2 shelf supports; 984 x 498 mm
<b>Additional shelving</b>		
Wire mesh shelf 60 L	50127764	Wire mesh shelf for Advanced Protocol / Advanced Protocol Security; 60 L; including 2 shelf supports; 338 x 336 mm
Wire mesh shelf 100 L	50127765	Wire mesh shelf for Advanced Protocol / Advanced Protocol Security; 100 L; including 2 shelf supports; 448 x 336 mm
Wire mesh shelf 180 L	50127766	Wire mesh shelf for Advanced Protocol / Advanced Protocol Security; 180 L; including 2 shelf supports; 448 x 511 mm
Wire mesh shelf 400L, GP	50135245	Wire mesh shelf for General Protocol; 400 L; including 2 shelf supports; 528 x 535 mm
Wire mesh shelf 400L, APS	50135243	Wire mesh shelf for Advanced Protocol Security; 400 L; including 2 shelf supports; 528 x 503 mm
Wire mesh shelf 750L, GP	50135246	Wire mesh shelf for General Protocol; 750 L; including 2 shelf supports; 984 x 535 mm
Wire mesh shelf 750L, APS	50135244	Wire mesh shelf for Advanced Protocol Security; 750 L; including 2 shelf supports; 984 x 503 mm
Petri Dish holder (90 mm) 60 L	50128816	Shelf with holders for Petri dishes; ø 90 mm; stainless steel; for all 60 L incubators; incl. 2 shelf supports; 9 stacks; 77 mm (h)
Petri Dish holder (90 mm) 100 L	50128817	Shelf with holders for Petri dishes; ø 90 mm; stainless steel; for all 100 L incubators; incl. 2 shelf supports; 12 stacks; 77 mm (h)
Petri Dish holder (90 mm) 180 L	50128819	Shelf with holders for Petri dishes; ø 90 mm; stainless steel; for all 180 L incubators; incl. 2 shelf supports; 16 stacks; 77 mm (h)
Petri Dish holder (50 mm) 60 L	50128793	Shelf with holders for Petri dishes; ø 50 mm; stainless steel; for all 60 L incubators; incl. 2 shelf supports; 20 stacks; 77 mm (h)
Petri Dish holder (50 mm) 100 L	50128794	Shelf with holders for Petri dishes; ø 50 mm; stainless steel; for all 100 L incubators; incl. 2 shelf supports; 24 stacks; 77 mm (h)
Petri Dish holder (50 mm) 180 L	50128815	Shelf with holders for Petri dishes; ø 50 mm; stainless steel; for all 180 L incubators; incl. 2 shelf supports; 36 stacks; 77 mm (h)
Drip Tray 60 L	50128683	Stainless steel drip tray for all 60 L incubators; includes 2 shelf supports; 295 x 325 x 20 mm drip space
Drip Tray 100 L	50128791	Stainless steel drip tray for all 100 L incubators; includes 2 shelf supports; 405 x 325 x 20 mm drip space
Drip Tray 180 L	50128792	Stainless steel drip tray for all 180 L incubators; includes 2 shelf supports; 405 x 500 x 20 mm drip space
Lowenstein kit	50128265	Lowenstein kit 150 mm tubes; 2 trays to place on top of perforated shelf (shelf not supplied); 435 x 155 mm; 20 tubes each tray – usable for 100 L models and larger
<b>Silicone free viton door sealing</b>		
Silicone free viton sealing 60 L	50130657	Silicone free viton door sealing for all 60 L Heratherm incubators
Silicone free viton sealing 100 L	50130658	Silicone free viton door sealing for all 100 L Heratherm incubators
Silicone free viton sealing 180 L	50130659	Silicone free viton door sealing for all 180 L Heratherm incubators
Silicone free viton sealing 400 L	50135869	Silicone free viton door sealing for all 400 L Heratherm incubators



Stainless steel perforated shelves



Petri dish holder



Drip tray



Lowenstein shelves



Silicone free viton door sealing



# Accessories

## Specifications table/order numbers

DESCRIPTION	ORDER NUMBER	DETAILS
<b>Sample Sensor</b>		
Sample sensor	50127768	Sample sensor for connection to all Advanced Protocol Security incubators: measures exact sample temperature; sample temperature is shown on display as plugged in; cable length: 2200 mm
<b>Support replace stands</b>		
Support stand 60 L	50127741	Support stand with casters for Heratherm 60 L Models; height including casters 187 mm
Support stand 100 L	50127742	Support stand with casters for Heratherm 100 L Models; height including casters 187 mm
Support stand 180 L	50127743	Support stand with casters for Heratherm 180 L Models; height including casters 187 mm
<b>Stacking kits: recommended if decon cycle is performed in lower unit</b>		
Stacking kit 60 L	50126665	For Heratherm 60 L / 2 cu.ft. Models – recommended if decontamination cycle is performed in lower unit
Stacking kit 100 L	50126666	For Heratherm 100 L / 3.5 cu.ft. models – recommended if decontamination cycle is performed in lower unit; to stack two 100 L models or 60 L on 100 L
Stacking kit 180 L	50126667	For Heratherm 180 L / 6.4 cu.ft. models – recommended if decontamination cycle is performed in lower unit; to stack two 180 L models or 60 L / 100 L on 180 L
<b>Fresh air particle filter</b>		
Fresh air particle filter Advanced Protocol and Advanced Protocol Security	50127567	Fresh air particle filter for connection to port; for all Advanced Protocol and Advanced Protocol Security incubators.



Stacking kit



Support stand with casters



Fresh air particle Filter

# Factory installed options

## Specifications table/order numbers

DESCRIPTION	ORDER NUMBER	DETAILS
Access port left, small	51900996	Additional access port, left side, center; Ø 24 mm for all incubators. Please order in conjunction with desired incubator.
Access port left, large	51900997	Additional access port, left side, center; Ø 58 mm for all incubators. Please order in conjunction with desired incubator.
Access port right, small	51900998	Additional access port, right side, center; Ø 24 mm for all incubators. Please order in conjunction with desired incubator.
Access port right, large	51900999	Additional access port, right side, center; Ø 58 mm for all incubators. Please order in conjunction with desired incubator.
Access port top, small	51901000	Additional access port, top, center; Ø 24 mm for all incubators. Please order in conjunction with desired incubator.
Access port top, large	51901001	Additional access port, top, center; Ø 58 mm for all incubators. Please order in conjunction with desired incubator.
Door hinge left side	51900993	Door hinge on left side – Available for General Protocol; Advanced Protocol and Advanced Protocol Security units. Table top, coated exterior only. Please order in conjunction with desired incubator.



Additional access port top



Additional access port right

# Thermo Scientific Heratherm Microbiological Incubators

## Thermo Scientific Smart-Vue Wireless Monitoring Solution

Smart. Scalable. Simple.

Continuously monitors sample environment

- Secure data logging with real-time alarms
- Audit trail traceability to assist with conformance to 21 CFR Part 11

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Rear view of the 100 L Advanced Protocol oven with Smart-Vue



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