



**Thermo Scientific Heratherm**  
Microbiological Incubators

Safe,  
easy and efficient

**Thermo**  
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 models, providing three 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 **cCSAus** marked.



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

Successful incubation is dependent upon 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.\*

### 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

### 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

### 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\*\*

\*Subject to Thermo Fisher Scientific Standard Limited Warranty. See [www.thermofisher.com](http://www.thermofisher.com) or product literature for details.

\*\*Optional stacking kit only required if decon cycle or oven is used below or for stacking different sizes.

# Innovative technology for outstanding versatility



FEATURES	COMPACT INCUBATOR		GENERAL PROTOCOL INCUBATORS		ADVANCED PROTOCOL INCUBATORS		ADVANCED PROTOCOL SECURITY INCUBATORS	
	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	-		AISI 430		AISI 304		AISI 304	
RS232 interface	-		✓		✓		✓	
Internal glass door	-		✓		✓		✓	
Easy calibration routine	-		✓		✓		✓	
Timer: weekly / daily / real time	-		-		✓		✓	
Dry alarm contact for connection of alarm device	-		-		-		✓	
Interior socket	-		-		✓		-	
Optional stainless steel exterior	-		-		-		✓	
Certified decontamination cycle	-		-		-		✓	
Automatic undertemperature alarm	-		-		-		✓	
Door alarm	-		-		-		✓	
Lockable door	-		-		-		✓	-
Connection for optional sample temperature sensor	-		-		-		✓	

## Three airflow technologies

### 1 Gravity convection

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

### 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.

### 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.



# 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, fish	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 Thermo Scientific 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 required only 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 at or below ambient
- High temperature accuracy
- Internal light facilitates sample observation

Easy to use interface



## SPECIFICATIONS TABLE/ORDER NUMBERS COMPACT INCUBATORS

Order number	50125590	
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 / max	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 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 General Protocol  
microbiological incubators,  
60 L, 100 L, 180 L models



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

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 airflow and minimal drying out
- Temperature range from ambient +5 °C up to 75 °C
- Temperature uniformity of ± 0.6 °C
- Temperature stability of ± 0.2 °C
- Corrosion resistant stainless steel chamber (AISI 430)

## easy to use interface

- Intuitive user interface for easy temperature setting
- Large vacuum fluorescent display for easy reading



## SPECIFICATIONS TABLE/ORDER NUMBERS GENERAL PROTOCOL INCUBATORS

Order number		51028063	51028064	51028065
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	± 0.6 °C	± 0.6 °C	± 0.6 °C
Temperature deviation over time	at 37 °C	± 0.2 °C	± 0.2 °C	± 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 720 x 565 / 20.9 x 28.3 x 22.2	640 x 820 x 565 / 25.2 x 32.3 x 22.2	640 x 920 x 738 / 25.2 x 36.2 x 29.1
Number of shelves	supplied / max	2 / 13	2 / 16	2 / 19
Max. shelf load	kg / lb	25 / 55	25 / 55	25 / 55
Rated voltage / frequency	V / Hz	120 / 60	120 / 60	120 / 60
Rated power / max. current	W / A	300 / 2.5	540 / 4.5	720 / 6
Weight	kg / lb	40 / 88	51 / 112	65 / 143
Energy consumption at 37 °C	W	21	26	31

<sup>1</sup> Depth of handle / display not included in depth (2.6 in); adjustable feet not included in height (1.4 in) – required distance to rear wall: 3.1 in

# Thermo Scientific Heratherm Advanced Protocol Incubators

Exceptional temperature performance  
for demanding applications.

## Advanced digital timer

- Turn unit on or off at specified times
- Choose from weekly / real time / hourly settings



Heratherm Advanced Protocol incubators with internal socket for connection of electrical device (e.g. stirrer / shaker)



Heratherm Advanced Protocol microbiological incubator with unique dual convection, 180 L model pictured

## design innovation for superior results

## advanced temperature performance

- 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 (AISI 304) is easy to clean and corrosion resistant
- 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		51028066	51028067	51028068
Model		IMH60	IMH100	IMH180
Convection technology		Dual convection	Dual convection	Dual convection
Temperature range	°C	ambient +5 °C to 105 °C	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 720 x 565 / 20.9 x 28.3 x 22.2	640 x 820 x 565 / 25.2 x 32.3 x 22.2	640 x 920 x 738 / 25.2 x 36.2 x 29.1
Number of shelves	supplied / max	2 / 13	2 / 16	2 / 19
Max. shelf load	kg / lb	25 / 55	25 / 55	25 / 55
Rated voltage / frequency	V / Hz	120 / 60	120 / 60	120 / 60
Rated power / max. current	W / A	600 / 5	840 / 7	1020 / 8.5
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 of handle / display not included in depth (2.6 in); adjustable feet not included in height (1.4 in) – required distance to rear wall: 3.1 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, 100 L unit pictured



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>3</sup>.

### intelligent design for improved results

### superior sample protection

### 140 °C decontamination

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



- 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)	51028069	51028070	51028111
Model	IMH60-S	IMH100-S	IMH180-S
Order number (stainless steel exterior)	51028264	51028535	51028327
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 720 x 565 / 20.9 x 28.3 x 22.2	640 x 820 x 565 / 25.2 x 32.3 x 22.2	640 x 920 x 738 / 25.2 x 36.2 x 29.1
Number of shelves	supplied / max 2 / 13	2 / 16	2 / 19
Max. shelf load	kg / lb 25 / 55	25 / 55	25 / 55
Rated voltage / frequency	V / Hz 120 / 60	120 / 60	120 / 60
Rated power / max. current	W / A 1390 / 11.6	1390 / 11.6	1390 / 11.6
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 of handle / display not included in depth (2.6 in); adjustable feet not included in height (1.4 in) – required distance to rear wall: 3.1 in

<sup>3</sup> Verified by independent testing facility (IBFE 9/2010)

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 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 (AISI 430)
- Protect delicate samples with stable temperature conditions: uniformity of up to  $\pm 0.5$  °C and temperature stability of 0.4 °K at 37 °C



**180°**

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

Easy to view, vacuum fluorescent 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 over 180° 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	51029321	51029333
Model	IGS400	IGS750
Convection technology	gravity convection	gravity convection
Temperature range	ambient +5°C to 75°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	0.91 / 9.8
Chamber volume	L / cuft 405 / 14.3	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 exterior <sup>1</sup> mm / in (W x H x D) 778 x 1545 x 770 / 30.6 x 60.8 x 30.3	1004 x 1307 x 569 / 39.5 x 51.5 x 22.4 1261 x 1545 x 770 / 49.6 x 60.8 x 30.3
Number of shelves	supplied / max 2 / 39	2 / 39
Max. shelf load	kg / lb 30 / 66	30 / 66
Rated voltage / frequency	V / Hz 120 / 60	120 / 60
Rated power / max. current	W / A 1080 / 9.0	1500 / 12.5
Weight	kg / lb 145 / 320	201 / 443
Energy consumption at 37 °C	W 55	80

<sup>1</sup> Depth of handle / display not included in depth (2.6 in); casters not included in height (4.3 in) – required distance to rear wall: 4.7 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

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.

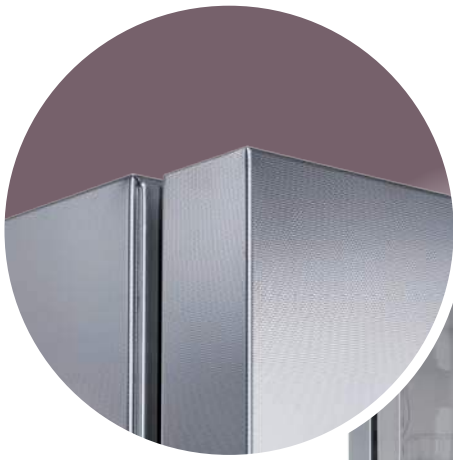


### prime performance

- 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

### 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

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 AISI 304)

### SPECIFICATIONS TABLE/ORDER NUMBERS LARGE CAPACITY ADVANCED PROTOCOL SECURITY INCUBATORS

Order number (coated exterior)	51029323	51029335
Model	IMH400-S	IMH750-S
Order number (stainless steel exterior)	51029324	51029336
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	0.56 / 6.0	0.91 / 9.8
Volume of workspace	381 / 13.5	702 / 24.8
Dimensions	chamber mm / in (W x H x D) 778 x 1545 x 770 / 30.6 x 60.8 x 30.3	1004 x 1335 x 524 / 39.5 x 52.6 x 20.6 1261 x 1545 x 770 / 49.6 x 60.8 x 30.3
Number of shelves	supplied / max 2 / 39	2 / 39
Max. shelf load	kg / lb 30 / 66	30 / 66
Rated voltage / frequency	V / Hz 120 / 60	120 / 60
Rated power / max. current	W / A 1380 / 11.5	1560 / 13
Weight	kg / lb 144 / 318	205 / 452
Energy consumption at 37 °C	W 94	161

<sup>1</sup> Depth of handle / display not included in depth (2.6 in); casters not included in height (4.3 in) – required distance to rear wall: 4.7 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.

# Stainless Steel Exterior

An optional stainless steel exterior is available for the 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 General Protocol, Advanced Protocol and Advanced Protocol Security models/sizes

## 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

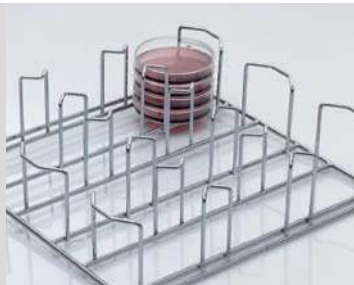
# Accessories

## SPECIFICATIONS TABLE/ORDER NUMBERS

DESCRIPTION	ORDER NUMBER	DETAILS
<b>Perforated shelves</b>		
Perforated shelf Compact	50125605	Stainless steel perforated shelf for Compact incubator; 7.1 x 11.4 in
Perforated shelf General Protocol 60 L	50127770	Stainless steel perforated shelf for General Protocol 60 L; including 2 shelf supports; 12.95 x 14.80 in
Perforated shelf General Protocol 100 L	50127771	Stainless steel perforated shelf for General Protocol 100 L; including 2 shelf supports; 12.95 x 14.80 in
Perforated shelf General Protocol 180 L	50127772	Stainless steel perforated shelf for General Protocol 180 L; including 2 shelf supports; 12.95 x 12.99 in
Perforated shelf Advanced Protocol / Advanced Protocol Security 60 L	50127773	Stainless steel perforated shelf for Advanced Protocol / Advanced Protocol Security; 60 L; including 2 shelf supports; 12.95 x 12.99 in
Perforated shelf Advanced Protocol / Advanced Protocol Security 100 L	50127774	Stainless steel perforated shelf for Advanced Protocol / Advanced Protocol Security; 100 L; including 2 shelf supports; 17.28 x 12.99 in
Perforated shelf Advanced Protocol / Advanced Protocol Security 180 L	50127777	Stainless steel perforated shelf for Advanced Protocol / Advanced Protocol Security; 180 L; including 2 shelf supports; 17.28 x 19.88 in
Perforated shelf 400 L	50135241	Stainless steel perforated shelf for General Protocol / Advanced Protocol Security 400 L; including 2 shelf supports; 20.79 x 21.06 in
Perforated shelf 750 L	50135242	Stainless steel perforated shelf for General Protocol / Advanced Protocol Security 750 L; including 2 shelf supports; 38.74 x 21.06 in
<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; 13.31 x 13.22 in
Wire mesh shelf 100 L	50127765	Wire mesh shelf for Advanced Protocol / Advanced Protocol Security; 100 L; including 2 shelf supports; 17.64 x 13.22 in
Wire mesh shelf 180 L	50127766	Wire mesh shelf for Advanced Protocol / Advanced Protocol Security; 180 L; including 2 shelf supports; 17.64 x 20.12 in
Wire mesh shelf 750 L	50135244	Wire mesh shelf for Advanced Protocol Security; 750 L; including 2 shelf supports; 38.74 x 20.20 in
Petri dish holder (3.54 in) 60 L	50128816	Shelf with holders for petri dishes; ø 3.54 in; stainless steel; for all 60 L incubators; incl. 2 shelf supports; 9 stacks; 3.1 in height
Petri dish holder (3.54 in) 100 L	50128817	Shelf with holders for petri dishes; ø 3.54 in; stainless steel; for all 100 L incubators; incl. 2 shelf supports; 12 stacks; 3.1 in height
Petri dish holder (3.54 in) 180 L	50128818	Shelf with holders for petri dishes; ø 3.54 in; stainless steel; for all 180 L incubators; incl. 2 shelf supports; 16 stacks; 3.1 in height
Petri dish holder (1.97 in) 60 L	50128793	Shelf with holders for petri dishes; ø 1.97 in; stainless steel; for all 60 L incubators; incl. 2 shelf supports; 20 stacks; 3.1 in height
Petri dish holder (1.97 in) 100 L	50128794	Shelf with holders for petri dishes; ø 1.97 in; stainless steel; for all 100 L incubators; incl. 2 shelf supports; 24 stacks; 3.1 in height
Petri dish holder (1.97 in) 180 L	50128815	Shelf with holders for petri dishes; ø 1.97 in; stainless steel; for all 180 L incubators; incl. 2 shelf supports; 36 stacks; 3.1 in height
Drip tray 60 L	50128683	Stainless steel drip tray for all 60 L incubators; includes 2 shelf supports; 11.61 x 12.8 x 0.79 in drip space
Drip tray 100 L	50128791	Stainless steel drip tray for all 100 L incubators; includes 2 shelf supports; 11.94 x 12.8 x 0.79 in drip space
Drip tray 180 L	50128792	Stainless steel drip tray for all 180 L incubators; includes 2 shelf supports; 15.94 x 19.69 x 0.79 in drip space
Lowenstein kit	50128265	Lowenstein kit 5.91 in tubes; 2 trays to place on top of perforated shelf (shelf not supplied); 17.13 x 6.1 in; 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 incubators
Silicone free viton sealing 100 L	50130658	Silicone free viton door sealing for all 100 L incubators
Silicone free viton sealing 180 L	50130659	Silicone free viton door sealing for all 180 L incubators
Silicone free viton sealing 400 L	50135869	Silicone free viton door sealing for all 400 L incubators
Silicone free viton sealing 750 L	50135870	Silicone free viton door sealing for all 750 L incubators



Stainless steel perforated shelves



Petri dish holder



Drip tray



Lowenstein trays



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: 86.6 in
<b>Support replace stands</b>		
Support stand 60 L	50127741	Support stand with casters for 60 L models; height including casters 7.36 in
Support stand 100 L	50127742	Support stand with casters for 100 L models; height including casters 7.36 in
Support stand 180 L	50127743	Support stand with casters for 180 L models; height including casters 7.36 in
<b>Stacking kits: recommended if decon cycle is performed in lower unit</b>		
Stacking kit 60 L	50126665	Stacking kit for 60 L / 2 cu.ft. models
Stacking kit 100 L	50126666	Stacking kit for 100 L / 3.5 cu.ft. models to stack two 100 L models or 60 L on 100 L
Stacking kit 180 L	50126667	Stacking kit for 180 L / 6.4 cu.ft. models to stack two 180 L models or 60 L / 100 L on 180 L
<b>Fresh air particle filter</b>		
Fresh air particle filter	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

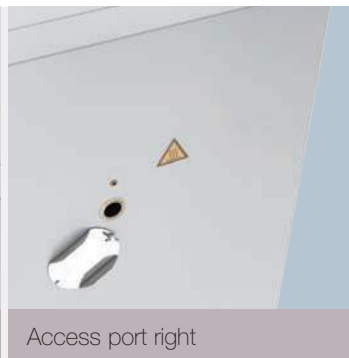
# Factory installed options

## SPECIFICATIONS TABLE/ORDER NUMBERS

DESCRIPTION	ORDER NUMBER	DETAILS
Access port left, small	51900996	Additional access port on center of left side of unit; Ø 0.94 in for all incubators.
Access port left, large	51900997	Additional access port on center of left side of unit; Ø 2.28 in for all incubators.
Access port right, small	51900998	Additional access port on center of right side of unit; Ø 0.94 in for all incubators.
Access port right, large	51900999	Additional access port on center of right side of unit; Ø 2.28 in for all incubators.
Access port top, small	51901000	Additional access port on center of top of unit; Ø 0.94 in for all incubators.
Access port top, large	51901001	Additional access port on center of top of unit; Ø 2.28 in for all incubators.
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.



Access port top



Access port right

# Thermo Scientific Heratherm Microbiological Incubators

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



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**Australia** +61 39757 4300  
**Austria** +43 1 801 40 0  
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**China** +86 21 6865 4588 or  
+86 10 8419 3588  
**France** +33 2 2803 2180  
**Germany national toll free** 0800 1 536 376  
**Germany international** +49 6184 90 6000

**India toll free** 1800 22 8374  
**India** +91 22 6716 2200  
**Italy** +39 02 95059 554  
**Japan** +81 45 453 9220  
**Netherlands** +31 76 579 55 55  
**New Zealand** +64 9 980 6700  
**Nordic/Baltic/CIS countries**  
+358 9 329 10200

**Russia** +7 812 703 42 15  
**Spain/Portugal** +34 93 223 09 18  
**Switzerland** +41 44 454 12 22  
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