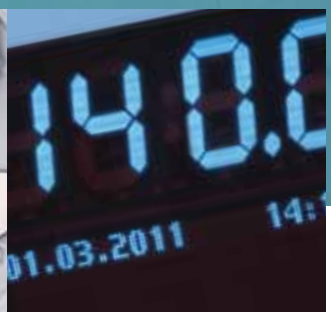
thermo scientific



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 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 exceptiona 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 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 functions	•	On / Off		choice of weekly/ hourly/ real time	choice of weekly/ hourly/ real time	
Dry alarm contact for connection of alarm device	•	•		✔	✔	
Interior electrical socket	•	•		✔	•	
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

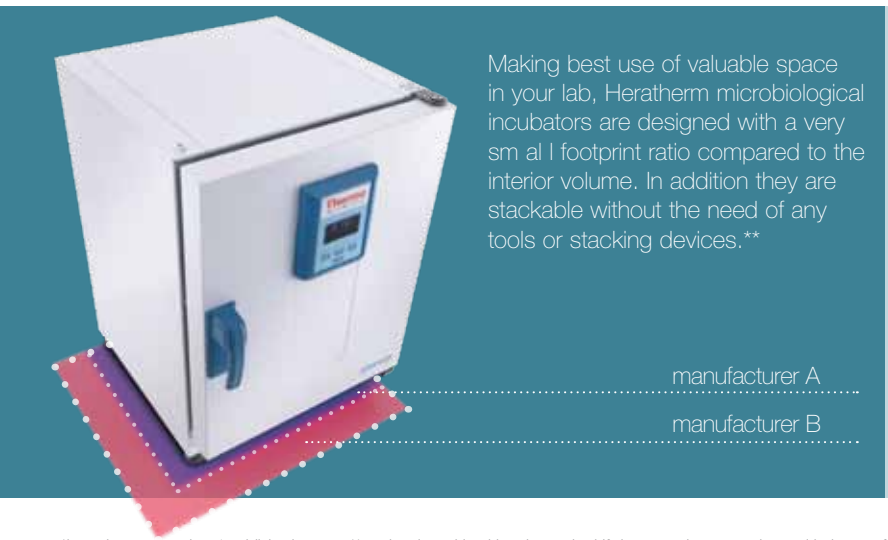
is a unique technology which allows the operator to choose the fan speed – from 0% (which equals gravity convection) up to 100%. Depending on the application, the speed can be adapted to provide optimal airflow for your valuable samples. Even at 0% fan speed, temperature uniformity and stability are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

Select the right model for your needs

Selector Guide

APPLICATION	MATERIAL/ SOLUTION	SAMPLE REQUIREMENTS	RECOMMENDED SOLUTION
Bacterial research	Bacteria	Temperatures between 30 °C and 70 °C	General Protocol, Advanced Protocol or Advanced Protocol Security for highest temperature accuracy, and time control
Microbiology	Microorganisms, cells	Temperatures between 30 °C and 50 °C	
Coliform determination	Bacteria	Temperature around 37 °C	
Histology	Tissue	Temperature around 37 °C	
Paraffin embedding	Paraffin	Temperatures of 37 °C to around 50 °C	
Egg incubation	Eggs	Temperature around 37 °C	General Protocol, Advanced Protocol or Advanced Protocol Security for highest temperature accuracy, and time control
Heated storage	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
Gene cloning	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
Pharmaceutical stability testing	Various	Temperatures of 37 °C up to 105 °C	
Food and beverage testing	Various	Temperatures of 37 °C up to 105 °C	
BOD/water pollution testing	Water	Temperature around 20 °C	Compact
Yeast growth	Yeast	Temperatures between 10 °C and 37 °C	General Protocol for temperatures above ambient +5 °C
Hatching of insects, fish	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 www.thermoscientific.com/incubators

Footprint Comparison*



Making best use of valuable space in your lab, Heratherm microbiological incubators are designed with a very sm al l 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, 18L

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

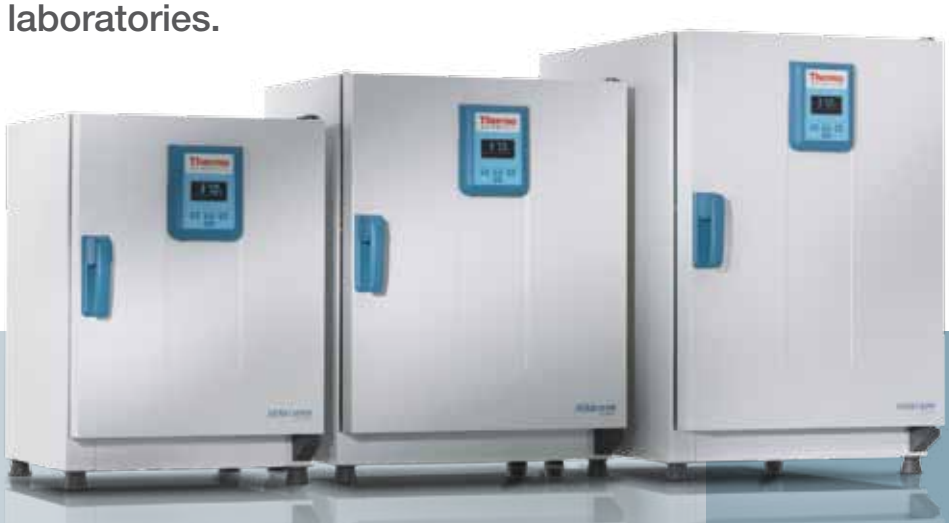
Specifications table/order numbers Combact Incubators

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^2 / 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 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 air flow 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
- Intuitive 24 hour timer function to program automated switch on or off

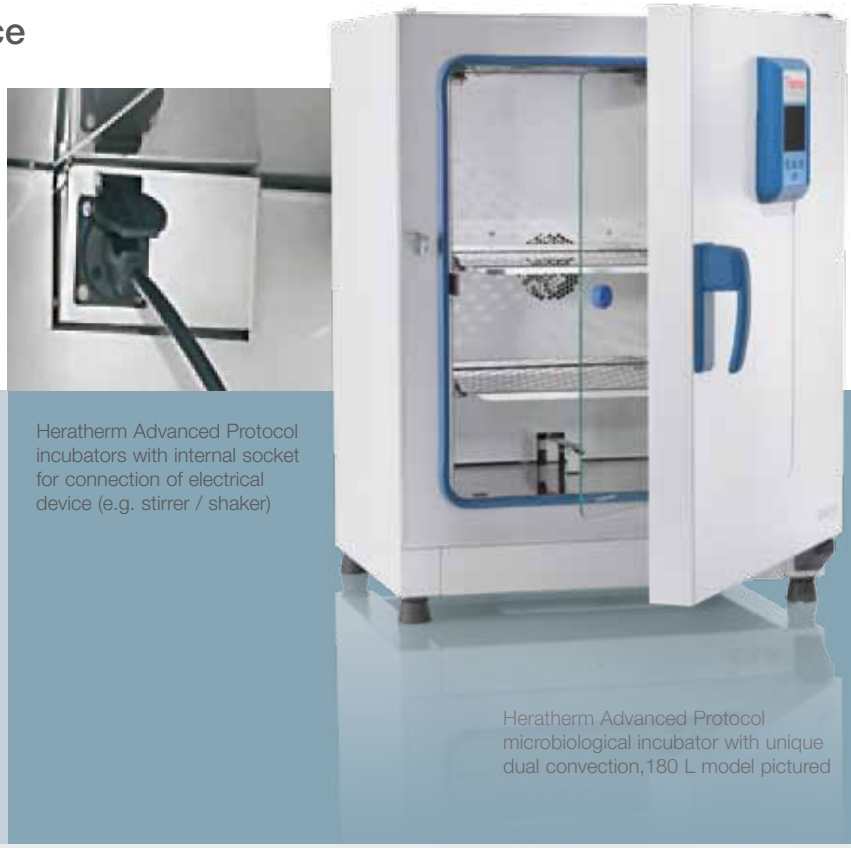
Specifications table/order numbers General Protocol Incubators

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^2 / 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[1], 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	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

[1] 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.



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

Advanced digital timer

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

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 (AISI 304) 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 ± 0.2 °C
- Temperature stability at ± 0.1 °C

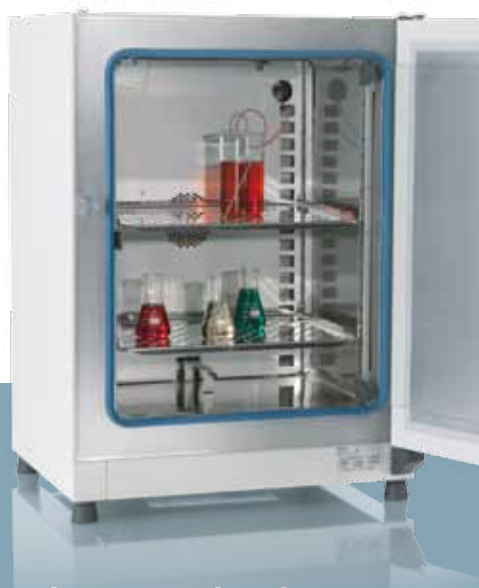
Specifications table/order numbers Advanced Protocol Incubators

Order number (coated exterior)		**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[1]	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^2 / 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[2], 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	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[1]	W	23 / 65	30 / 68	36 / 78

[1] Values refer to: fan off / fan full speed. [2] 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, 100 L unit pictured

Lockable door for restricted access

140 °C push button decontamination

Building on our established CO_2 incubator decontamination technology, introducing the first microbiological incubators with an independently certified 140 °C decontamination routine[3].

intelligent design for improved results

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

superior sample protection

- Automatic over-and-under temperature alarm

140 °C decontamination

- 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[3]

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	ambient +5 °C to 105 °C	ambient +5 °C to 105 °C
Spatial temperature deviation[1]	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^2 / 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[2], 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	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[1]	W	23 / 65	30 / 68	36 / 78

[1] Values refer to: fan off / fan full speed. [2] Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (80mm / 3.1 in.); height includes the feet here to open the parenthetical. (35mm / 1.4 in.). [3] 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 your need for high sample volume or larger samples in mind.

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

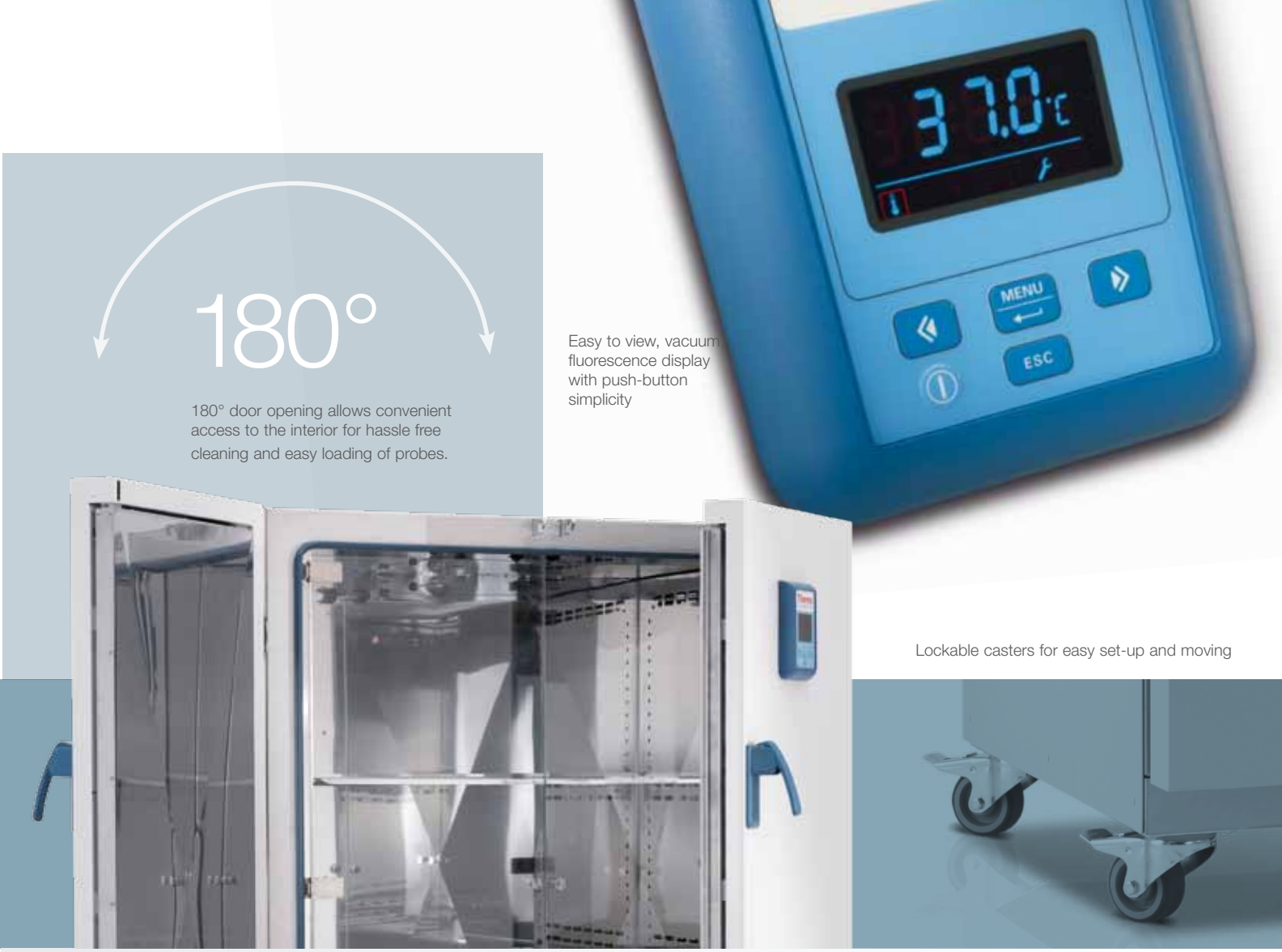
400 L | 750 L

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 (AISI 430)
- Protect delicate samples with stable temperature conditions: uniformity of up to ± 0.5 °C and temperature stability of ± 0.4 °C 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 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

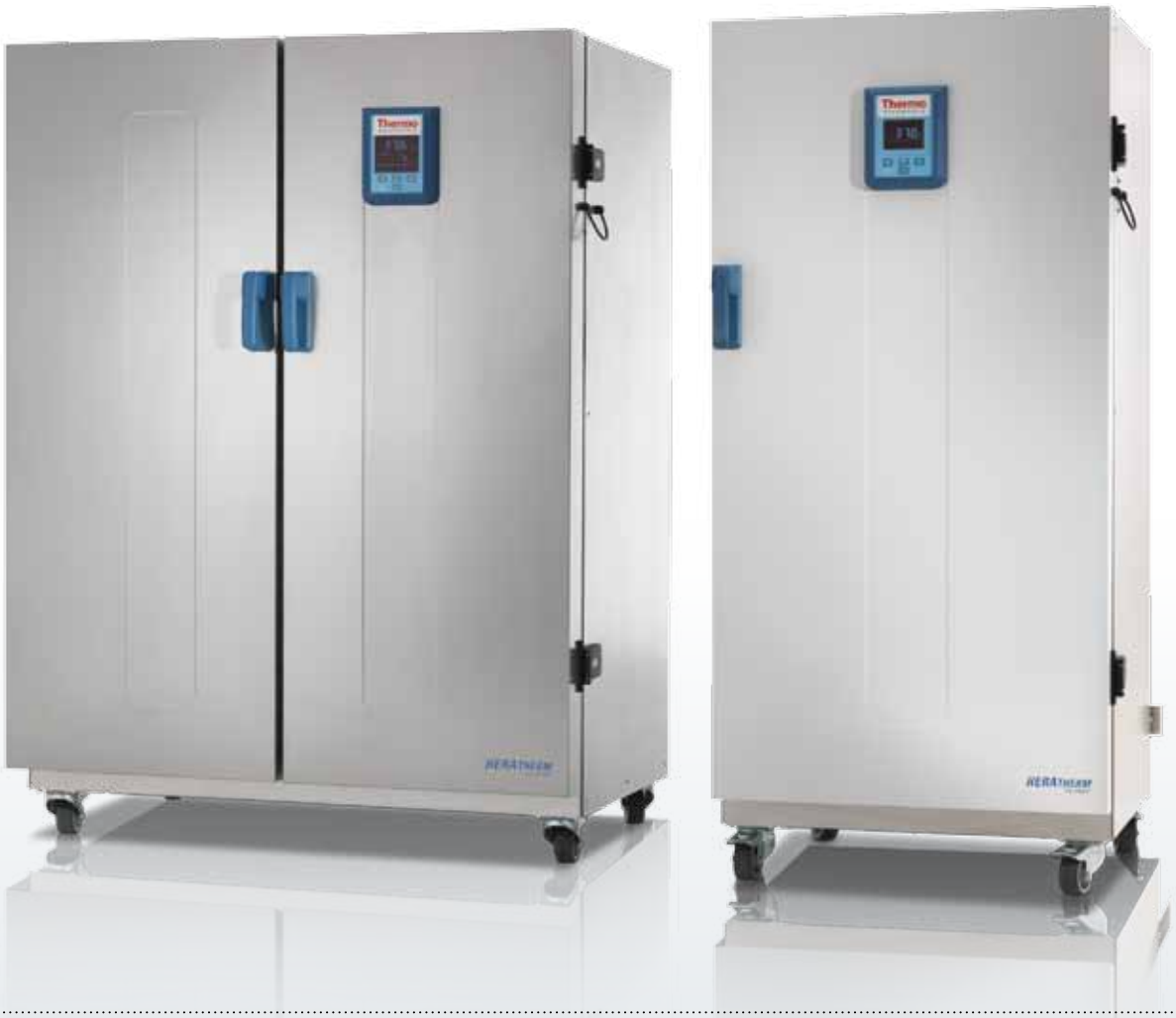
Specifications table/order numbers Large capacity General Protocol Incubators

Order number		**51029321**	**51029333**
Model		IGS400	IGS750
Convection technology		gravity convection	gravity convection
Temperature range	°C	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^2 / 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	1004 x 1307 x 569 / 39.5 x 51.5 x 22.4
	exterior[1] 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	30 / 66
Rated voltage / frequency	V / Hz	120 / 60	120 / 60
Rated power / max current	W / Amp	1080 / 9.0	1500 / 12.5
Weight	kg / lb	145 / 320	201 / 443
Energy consumption at 37 °C	W	55	75

[1] 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.



prime performance

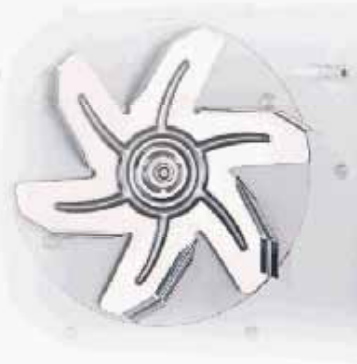
- Mechanical convection technology ensures optimal temperature distribution with improved level of temperature uniformity: ± 0.2 to 0.3 °C
- Temperature range from ambient +5 °C to 105 °C for application flexibility: units can even be used for drying applications

added safety

- Unique 140°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-SS
Order number (stainless steel exterior)		**51029324**	**51029336**
Model		IMH400-S SS	IMH750-S SS
Convection technology		mechanical convection	mechanical convection
Temperature range	°C	ambient +5°C to 105°C	ambient +5 to 105
Spatial temperature deviation	at 37 °C	± 0.2 °C	± 0.3
Temperature deviation over time	at 37 °C	± 0.2 °C	± 0.2
Footprint	m^2 / sqft	0.56 / 6.0	0.91 / 9.8
Volume of workspace	l / cuft	381 / 13.5	702 / 24.8
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[1]	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	30 / 66
Rated voltage / frequency	V / Hz	120 / 60	120 / 60
Rated power / max current	W / Amp	1380 / 11.5	1560 / 13
Weight empty	kg / lb	144 / 318	205 / 452
Energy consumption at 37 °C	W	87	149

[1] 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.

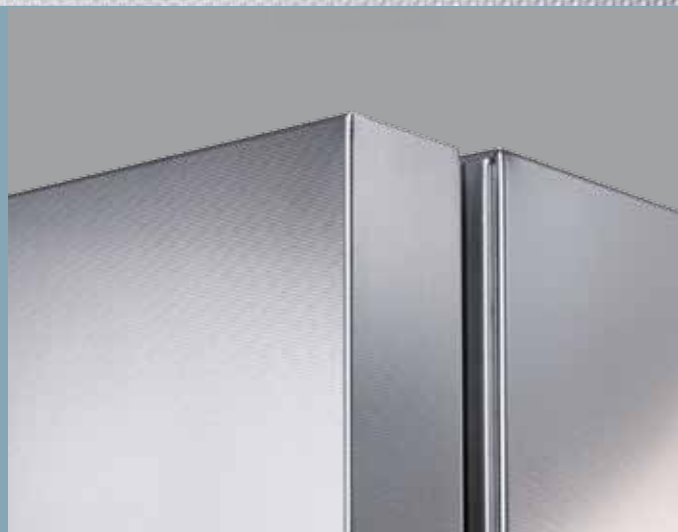
Stainless Steel Exterior

An optional stainless steel exterior is available for the Advanced Protocol 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

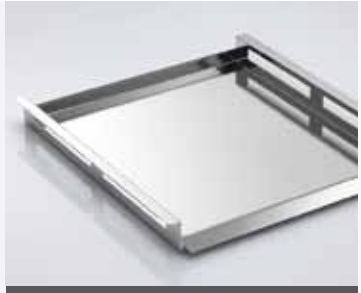
Accessories

Specifications table/order numbers

DESCRIPTION	ORDER NUMBER	DETAILS
Perforated shelves		
Lowenstein kit	50128265	Lowenstein kit 5.91 in tubes; 2 trays to; 435 x 155 mm; 20 tubes each tray – usable for 100 L models and larger 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 / Security 60 L	50127773	Stainless steel perforated shelf for Advanced Protocol / Advanced Protocol Security; 60 L; incl. 2 shelf Advanced Protocol supports; 12.95 x 12.99 in
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; 17.28 x 12.99 in
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; 17.28 x 19.88 in
Perforated shelf 400 L	50135241	Stainless steel perforated shelf for General Protocol / Advanced Protocol Security 400 L; incl. 2 shelf supports; 20.79 x 19.61 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 19.61 in
Additional shelving		
Wire mesh shelf 60 L	50127764	Wire mesh shelf for Advanced Protocol / Advanced Protocol Security; 60 L; incl. 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; incl. 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; incl. 2 shelf supports; 17.64 x 20.12 in
Wire mesh shelf 400L, GP	50135245	Wire mesh shelf for General Protocol; 400 L; incl. 2 shelf supports; 20.79 x 21.06 in
Wire mesh shelf 400L, APS	50135243	Wire mesh shelf for Advanced Protocol Security; 400 L; incl. 2 shelf supports; 20.79 x 19.8 in
Wire mesh shelf 750L, GP	50135246	Wire mesh shelf for General Protocol; 750 L; incl. 2 shelf supports; 38.74 x 21.06 in
Wire mesh shelf 750 L, APS	50135244	Wire mesh shelf for Advanced Protocol Security; 750 L; including 2 shelf supports; 38.74 x 19.8 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 incub.; incl. 2 shelf supports; 9 stacks; 3.1 in (h)
Petri dish holder (3.54 in) 100 L	50128818	Shelf with holders for petri dishes; ø 3.54 in; stainless steel; for all 100 L incub.; incl. 2 shelf supports; 12 stacks; 3.1 in (h)
Petri dish holder (3.54 in) 180 L	50128819	Shelf with holders for petri dishes; ø 3.54 in; stainless steel; for all 180 L incub.; incl. 2 shelf supports; 16 stacks; 3.1 in (h)
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 incub.; incl.2 shelf supports; 20 stacks; 3.1 in (h)
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 incub.; incl. 2 shelf supports; 24 stacks; 3.1 in (h)
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 incub.; incl. 2 shelf supports; 36 stacks; 3.1 in (h)
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); 435 x 155 mm; 20 tubes each tray. Usable for 100 L models and larger
Silicone free viton door sealing		
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

Stainless steel perforated shelves

Petri dish holder



Drip tray

Lowenstein shelves

Silicone free viton door sealing

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.

Accessories

Specifications table/order numbers

DESCRIPTION	ORDER NUMBER	DETAILS
Sample Sensor		
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
Support replace stands		
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
Stacking kits: recommended if decon cycle is performed in lower unit		
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
Fresh air particle filter		
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

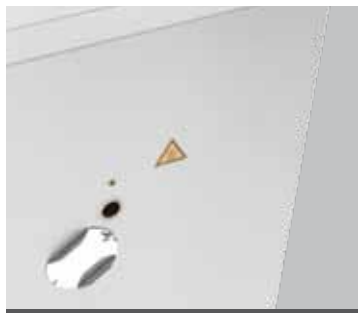
Fresh air particle Filter

Factory installed options

Specifications table/order numbers

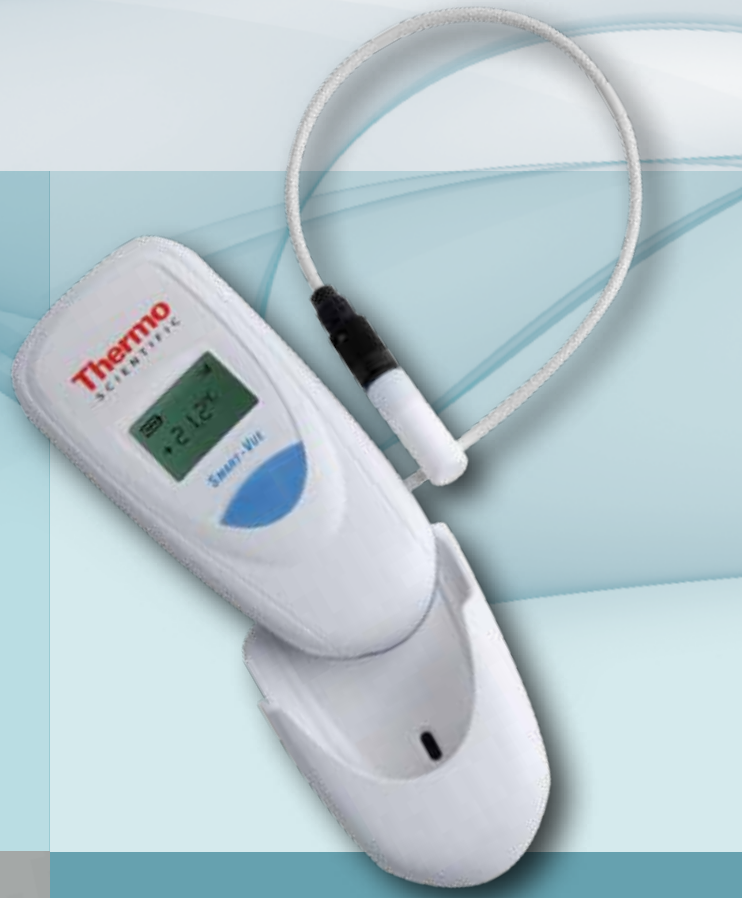
DESCRIPTION	ORDER NUMBER	DETAILS
Access port left, small	51900996	Additional access port on center of left side of unit; Ø 0.94 in for all incubators.
Access port left, large	51900997	Additional access port on center of left side of unit; Ø 2.28 in for all incubators.
Access port right, small	51900998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

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

To learn more, visit www.thermoscientific.com/smart-vue

Solutions vary by RF regions worldwide and are compatible with multiple brands and types of laboratory equipment. Contact your local sales representative for more details.

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

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