

## Thermo Scientific Heratherm Advanced Protocol Security Heating and Drying Ovens

**Extra layer of security for applications where process reliability and security are paramount**



- Choice of gravity convection for gentle drying and heating, or mechanical convection for faster drying and heating, and exceptional temperature uniformity
- Choice of stainless steel exterior available for demanding pharmaceutical and clinical applications
- Standard over-temperature alarm and an additional under-temperature alarm ensure that your samples stay at the correct temperature
- Door lock prevents disruption, tampering or accidental opening
- Door alarm notifies the operator when door is left open accidentally, preventing the temperature from deviating
- Broad temperatures range from 50-330°C
- Optional sample sensor provides exact temperature of sample on display
- Auto-dry function deactivates oven when the samples are dry, saving energy (Note: Optional sample sensor is required to utilize this feature)
- Advanced digital timer for daily or weekly on / off cycles
- Stainless-steel interior is easy to clean and corrosion resistant (steel quality AISI 304 /1.4301)
- Programmable controller for temperature ramps and dwells
- Up to 10 programs can be saved, each with 10 discrete steps
- Electronically controlled fan speed and damper position can be incorporated; Programs can be repeated automatically
- Access port allows the introduction of sensors for independent data monitoring
- Simple calibration routine ensures temperature accuracy over time
- Boost function enables rapid heating up – no need to operate the oven 24/7

**Ordering Alerts:** Availability may vary by country

**Warranty<sup>†</sup>:** 2 years (parts and labor)

**Certifications:** CSAus (120V, 208-240V/60Hz models) and CE (230V, 50/60Hz models)

Cat. No.	Model/Interior	Chamber Volume	Footprint	Temp Uniformity/ Stability (@37°C)	Chamber Dimensions (D x W x H)	Exterior Dimensions* (D x W x H)	Shelves Supplied (Max)/ Max Load	Shipping weight	Electrical/ Plug Type
<b>Gravity Convection</b>									
51028118	OGH60-S/ coated	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 720mm (22.2 x 20.9 x 28.3in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	120V; 60Hz; 1730w; 14.4A; US Nema 5-15
51028536	OGH60-S SS/ Stainless Steel	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 720mm (22.2 x 20.9 x 28.3in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	120V; 60Hz; 1730w; 14.4A; US Nema 5-15
51028145	OGH60-S/ coated	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 720mm (22.2 x 20.9 x 28.3in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1800w; 7.9A; Country specific
51028544	OGH60-S SS/ Stainless Steel	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 720mm (22.2 x 20.9 x 28.3in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1800w; 7.9A; Country specific
51028119	OGH100-S/ coated	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±3.0°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 820mm (22.2 x 25.2 x 32.3in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20
51028537	OGH100-S SS/ Stainless Steel	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±2.5°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 820mm (22.2 x 25.2 x 32.3in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20
51028146	OGH100-S/ coated	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±3.0°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 820mm (22.2 x 25.2 x 32.3in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3100w; 13.5A Country specific
51028545	OGH100-S SS/ Stainless Steel	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±3.0°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 820mm (22.2 x 25.2 x 32.3in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3100w; 13.5A Country specific
51028120	OGH180-S/ coated	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.9°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 920mm (29.1 x 25.2 x 36.2 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20
51028538	OGH180-S SS/ Stainless Steel	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.9°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 920mm (29.1 x 25.2 x 36.2 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20
51028147	OGH180-S/ coated	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.5°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 920mm (29.1 x 25.2 x 36.2 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V; 50/60Hz; 3100w; 13.5A Country specific
51028546	OGH180-S SS/ Stainless Steel	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.5°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 920mm (29.1 x 25.2 x 36.2 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V; 50/60Hz; 3100w; 13.5A Country specific
<b>Mechanical Convection</b>									
51028127	OMH60-S/ coated	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.5°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 720mm (22.2 x 20.9 x 28.3in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	120V; 60Hz; 1440w; 12A; US Nema 5-15
51028539	OMH60-S SS/ Stainless Steel	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.5°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 720mm (22.2 x 20.9 x 28.3in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	120V; 60Hz; 1440w; 12A; US Nema 5-15
51028154	OMH60-S/ coated	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.8°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 720mm (22.2 x 20.9 x 28.3in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1400w; 6.1A Country specific
51028547	OMH60-S SS/ Stainless Steel	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.8°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 720mm (22.2 x 20.9 x 28.3in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1400w; 6.1A Country specific
51028128	OMH100-S/coated	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 438 x 608mm (13.5 x 17.2 x 23.9 in.)	565 x 640 x 820mm (22.2 x 25.2 x 32.3in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	208-240V; 60Hz; 3360w; 14A US Nema 6-20
51028326	OMH100-S SS/ Stainless Steel	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 438 x 608mm (13.5 x 17.2 x 23.9 in.)	565 x 640 x 820mm (22.2 x 25.2 x 32.3in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	208-240V; 60Hz; 3360w; 14A US Nema 6-20
51028155	OMH100-S/coated	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 438 x 608mm (13.5 x 17.2 x 23.9 in.)	565 x 640 x 820mm (22.2 x 25.2 x 32.3in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3060w; 13.3A Country specific
51028548	OMH100-S SS/ Stainless Steel	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 438 x 608mm (13.5 x 17.2 x 23.9 in.)	565 x 640 x 820mm (22.2 x 25.2 x 32.3in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3060w; 13.3A Country specific
51028129	OMH180-S/coated	170L (6.1 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.5°C / ±0.2°C	518 x 464 x 708mm (20.4 x 18.3 x 27.9in.)	738 x 640 x 920mm (29.1 x 25.2 x 36.2 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	208-240V; 60Hz; 3360w; 14A US Nema 6-20
51028540	OMH180-S SS/ Stainless Steel	170L (6.1 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.5°C / ±0.2°C	518 x 464 x 708mm (20.4 x 18.3 x 27.9in.)	738 x 640 x 920mm (29.1 x 25.2 x 36.2 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	208-240V; 60Hz; 3360w; 14A US Nema 6-20
51028156	OMH180-S/ coated	170L (6.1 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.8°C / ±0.2°C	518 x 464 x 708mm (18.3 x 18.3 x 27.9in.)	738 x 640 x 920mm (29.1 x 25.2 x 36.2 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V 50/60Hz; 3060w; 13.3A Country specific
51028549	OMH180-S SS/ Stainless Steel	170L (6.1 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.8°C / ±0.2°C	518 x 464 x 708mm (18.3 x 18.3 x 27.9in.)	738 x 640 x 920mm (29.1 x 25.2 x 36.2 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V 50/60Hz; 3060w; 13.3A Country specific

\*Depth of handle / display not included in depth (65 mm / 2.6 in.); adjustable feet not included in height (35 mm / 1.4 in.) – required distance to rear wall: 80 mm / 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 Ovens Accessories

Cat. No.	Description	Details
<b>Additional Shelving</b>		
50128881	Reinforced shelf – 180L, mechanical convection	Shelf with maximum capacity of 70 kg for 180 liter models, mechanical convection of Advanced Protocol and Advanced Protocol Security ovens; max total capacity is 250 kg
50128880	Reinforced shelf – 180L, gravity convection	Shelf with maximum capacity of 70 kg for 180 liter models, gravity convection of Advanced Protocol and Advanced Protocol Security ovens; max total capacity is 250 kg
50127761	Additional shelf kit, 60L model, gravity convection	Additional wire mesh shelf for 60L gravity convection models, including 2 shelf supports
50127762	Additional shelf kit, 100L model, gravity convection	Additional wire mesh shelf for 100L gravity convection models, including 2 shelf supports
50127763	Additional shelf kit, 180L model, gravity convection	Additional wire mesh shelf for 180L gravity convection models, including 2 shelf supports
50127764	Additional shelf kit, 60L model, mechanical convection	Additional wire mesh shelf for 60L mechanical convection models, including 2 shelf supports
50127765	Additional shelf kit, 100L model, mechanical convection	Additional wire mesh shelf for 100L mechanical convection models, including 2 shelf supports
50127766	Additional shelf kit, 180L model, mechanical convection	Additional wire mesh shelf for 180L mechanical convection models, including 2 shelf supports
<b>Stacking Kits</b>		
50126665	Stacking kit 60L units	Stacking kit for Heratherm 60L models
50126666	Stacking kit 60L units	Stacking kit for Heratherm 100L models - use also to stack 60L on 100L
50126667	Stacking kit 60L units	Stacking kit for Heratherm 180L models - use also to stack 60L or 100L on 180L
<b>Support Stands</b>		
50127741	Support stand 60L units	Support stand with casters for 60L units; height of stand including casters: 187mm / 7.4in
50127742	Support stand 60L units	Support stand with casters for 100L units; height of stand including casters: 187mm / 7.4in
50127743	Support stand 60L units	Support stand with casters for 180L units; height of stand including casters: 187mm / 7.4in
<b>Sample Sensor</b>		
50127767	Sample sensor Advanced Protocol Security	Sample sensor to measure and display exact sample temperature - for Heratherm Advanced Protocol Security ovens
<b>Underbench Installation Kit</b>		
50128887	Kit for underbench installation – air exhaust	Kit for underbench installation; for all AP and APS ovens; consists of exhaust tubing (1.5 m length) and details on wall distances; note that maximum temperature for underbench installation is 250 °C
<b>Special Sealing</b>		
50130657	Silicone free viton sealing 60L	Silicone free viton door sealing for all 60 liter Heratherm ovens
50130658	Silicone free viton sealing 100L	Silicone free viton door sealing for all 100 liter Heratherm ovens
50130659	Silicone free viton sealing 180L	Silicone free viton door sealing for all 180 liter Heratherm ovens
<b>Fresh Air Filter</b>		
50127566	Fresh air particle filter	Fresh air particle filter for connection to the fresh air vent (intake), for Advanced Protocol and Advanced Protocol Security models only

\* other voltages available on request

Cat. No.	Description	Details
<b>Factory-Installed Options — Please order in conjunction with desired oven</b>		
51900996	Access port left, small	Additional access port on center of left side of unit; Ø 24 mm for all mechanical convection ovens / Ø 19 mm for all gravity convection ovens.
51900997	Access port left, large	Additional access port on center of left side of unit; Ø 58 mm for all mechanical convection ovens / Ø 53 mm for all gravity convection ovens.
51900998	Access port right, small	Additional access port on center of right side of unit; Ø 24 mm for all mechanical convection ovens / Ø 19 mm for all gravity convection ovens.
51900999	Access port right, large	Additional access port on center of right side of unit; Ø 58 mm for all mechanical convection ovens / Ø 53 mm for all gravity convection ovens.
51901000	Access port top, small	Additional access port on center of top of unit; Ø 24 mm for all ovens.
51901001	Access port top, large	Additional access port on center of top of unit; Ø 58 mm for all ovens.
51900993	Door hinge left side	Door hinge on left side – Available for General Protocol, Advanced Protocol and Advanced Protocol Security units. Coated exterior only.
<b>Ovens with View Package (ask for other voltages)</b>		
51028897	OGH60 with view package 230VAC; 50/60Hz	Advanced Protocol oven with gravity convection; 61 liters volume; 230VAC; 50Hz; 1 window; light
51028898	OGH100 with view package 230VAC; 50/60Hz	Advanced Protocol oven with gravity convection; 99 liters volume; 230VAC; 50Hz; 1 window, light
51028916	OGH180 with view package 230VAC; 50/60Hz	Advanced Protocol oven with gravity convection; 168 liters volume; 230VAC; 50Hz; 2 windows, light
51028923	OMH60 with view package 230VAC; 50/60Hz	Advanced Protocol oven with mechanical convection; 62 liters volume; 230VAC; 50Hz; 1 window; light
51028734	OMH100 with view package 230VAC; 50/60Hz	Advanced Protocol oven with mechanical convection; 97 liters volume; 230VAC; 50Hz; 1 window, light
51028910	OMH180 with view package 230VAC; 50/60Hz	Advanced Protocol oven with mechanical convection; 170 liters volume; 230VAC; 50Hz; 2 windows, light
51028736	OGH60-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with gravity convection; 61 liters volume; 230VAC; 50Hz; 1 window; light
51028924	OGH100-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with gravity convection; 99 liters volume; 230VAC; 50Hz; 1 window, light
51028925	OGH180-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with gravity convection; 168 liters volume; 230VAC; 50Hz; 2 windows, light
51028926	OMH60-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with mechanical convection; 62 liters volume; 230VAC; 50Hz; 1 window; light
51028927	OMH100-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with mechanical convection; 97 liters volume; 230VAC; 50Hz; 1 window, light
51028733	OMH180-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with mechanical convection; 170 liters volume; 230VAC; 50Hz; 2 windows, light