emp. & Humid. Chambers Ver. 2017 ~ 2018







Best Products for Reliable Results

JEIO TECH was established in 1988 with the goal of delivering the best laboratory equipments for the reliable results. We always strive to develop high technology with ergonomic design for better products. We are eager to take on new challenges in developing a product the best suits you!

Our reliable instruments will offer you analytical solutions in the field of biology, chemistry, medicine, pharmacology and so forth. We are driven by innovation and our extensive product lines are at the cutting-edge globally in both scientific and industrial research instrument markets.

While continuously focusing on human resources and technology, development, we strive to make a significant difference in various research areas. our top priority is to provide the world's best products and services through outstanding quality and customer satisfaction at affordable prices.

We hope you enjoy the discovery of Jeio Tech and it's products.

Best Products for Reliable Results

CE, UL, CSA, RoHS, GD (Good Design Award)
Jeio Tech (Lab Companion) obtained ISO 9001, ISO 13485
FDA establishment registered company. FDA listed products.





















Climate Chambers

Floor Standing Models

-40 to 150°C, 25 to 95% ····· TH-G-180/300/408/800/1000

-40 to 150°C, 20 to 95% ····· TH-I-180/300/408

-70 to 150°C, 25 to 95% ····· TH-KH-180/300/408

-5 to 100°C, 10 to 95% ····· TH-TG-180/300/408

20 to 95% ····· TH-TG-800/1000/1500

-5 to 100°C, 15 to 90% ····· TH-DG-150/300/400

Tabletop Models

-40 to 150°C, 20 to 95% ····· TH-KE-025/065/100

-20 to 150°C, 20 to 95% ····· TH-ME-025/065/100

0 to 120°C, 30 to 95% ····· TH-PE-025/065/100

Clean Temp. & Humid. Chamber

-35 to 100°C, 30 to 90% ····· TH-CR-270

Pharmaceutical Stability Test Chambers

-5 to 85°C, 20 to 85% ······· TH-ICH-300/800

Plant Growth Chambers

5 to 50°C, 40 to 90% ······· GC-300TL/300TLH 50 to 90% ······ GC-1000TLH





Wide selection of models



Select the most suitable chamber for your application among Lab Companion's diverse Temp. & Humid. Chambers

Various Floor Standing Chambers and Tabletop Chambers are on the general environmental test chamber list. Each model series based on temp. and humid. ranges and different volume capacities

Save data in excel format

Storage of program information, backup of value settings / recovery, and temperature values

Software, RS-232C port as standard offer (In case of TH-DG, RS-485C port is standard)

RS-485 communication port offers connection of more than 9 temp. chamber units to one PC (optional)

Computer interface



Viewing window



Clear observation of samples

- Tempered glass door with built in heating wire
- Energy efficient, long life span lighting
- Wider view, inner glass door is available for monitoring of samples

Environmental test equipment with dual chambers

Specially designed for conducting each different experiment at once

Stability test in accordance with ICH guidelines Q1A (R2)

Dual Chamber (for TH-DG)







Programming operation

Description	TH-G/I/KH	TH-KE/ME/PE,TH-TG/DG
Programmable Pattern Capacity	120	100
Pattern RepeatTime	999	999
Max. Segments per a Pattern	100	100
Available Max. Segments	1200	2000
Programmable Process Time per a Segment	0 to 999hr 59 min	0 to 99 hr 59 min



Accordance with ICH guideline



Stability Testing Q1A (R2)

- Optimum temperature and humidity control system for long-term stability test

Photostability Testing Q1B (Option 2)

- Independent luminescence control system for photostability test

Save data in excel format

Storage of program information, backup of value settings / recovery, and temperature values

Software, RS-232C port as standard offer

RS-485 communication port offers connection of maximum 32 temp. chamber units to one PC (optional)

Computer interface



Water level indicator



Maintenance of water supply are easily performed with a front water tank

- Water level check indicated by water level bar in the tank

Water supply during operation is also available for long term test purposes

Microprocessor PID control / Auto-tuning / Calibration

Colorful interactive touch type LCD controller
-Temperature and humidity / timer settings
and operating condition

Precise control



Individual illumination controller



Programming operation

Description	ТН-ІСН
Programmable Pattern Capacity	100
Pattern RepeatTime	999
Max. Segments per a Pattern	100
Available Max. Segments	2000
Programmable Process Time per a Segment	0 to 99 hr 59 min

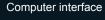


Save data in excel format

Storage of program information, backup of value settings / recovery, and temperature values

Software, RS-232C port as standard offer

RS-485 communication port offers connection of a maximum of 9 temp. chamber units to one PC (optional)





Clean Temp. & Humid Chamber

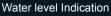


Specially designed for processes requiring clean and controlled environmental test conditions (ISO Class 5 air cleanliness as per ISO 14644-1)

Heat-resisting HEPA filter provides clean environment

ULPA filter provides for better air cleanliness of the chamber (optional)

No external exhaust system required





Maintenance of water supply are easily performed with a front water tank.

- Water level check indicated by water level bar in the tank.

Viewing Window



Clear observation of samples

- Tempered glass door with built in heating wire
- Wider view, inner glass door is available for monitoring of samples



Programming operation

Description	TH-CR
Programmable Pattern Capacity	120
Pattern RepeatTime	999
Max. Segments per a Pattern	100
Available Max. Segments	1200
Programmable Process Time per a Segment	0 to 999hr 59 min 59 sec

Technical Benefit

For Plant Growth Chambers (GC)

Lab Companion

Optimum illumination



Illumination values are controlled with lamp setting arrangements

- Max. 35,000Lux for GC-1000TLH
- Max. 20,000Lux for GC-300TL/TLH

Microprocessor PID control/Auto-tuning/Calibration

40 to 80% RH for GC-300TLH (at 20~35°C) 50 to 90% RH for GC-1000TLH (at 20~35°C)

Max. 5,000ppm CO₂ ON/OFF system (optional)

Functional controller



User-friendly door system



Silicone packing for keeping inner chamber perfectly

External door with magnetic sealing for dual airtight

Smoothly open to minimize damage of samples

Wide inner tempered glass door providing a full view of the samples

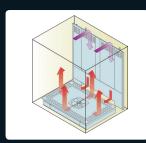
Heat rise restraint



Unique construction to minimize the heat from rising due to the luminous light source

Designed to exhaust the heated air through the upper holes (GC-1000TLH only)

Efficient temp. condition on program mode



Efficient airflow for plant growth (1000£)

Temp. T3 T4 T6 T7 T8 T7 T9 H1 H2 H3 H4 H5 H8 H7 H6 H9 Hour

: Temperature setting graph

10 step programmable temperature, humidity, and illumination profiles and repeat the steps up to 999 cycles. (self-testing)

TH-G-180/300/408/800/1000/1500 (-40 to 150°C, 25 to 95%)



Standard Environmental Test Chamber

Highly interactive LCD controller, beneficial for sophisticated longterm test cycles











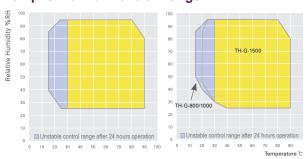






TH-G with the optional recorder

Temp. & Humid. Control Range



TH-G-180/300/408

TH-G-800/1000/1500

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	Model	TH-G-180	TH-G-300	TH-G-408	TH-G-800	TH-G-1000	TH-G-1500	
Chamber vol	ume (L / cu ft)	189 / 7.4	302 / 11.9	408 / 14.4	800 / 28.3	1000 / 35.3	1540 / 54.4	
Range (°c / °F)		-40 to 150 / -40 to 302 without humidity, 15 to 90 / 59 to 194 with humidity * Best programmable control range: -30 to 140 / -22 to 284						
Temperature	Fluctuation 1) (°C / °F) at 40°C / 75%RH	0.3 / 0.54						
	Variation 1) (℃ / ℉) at 40℃ / 75%RH	0.5 / 0.9						
Time	Heating - without humidity (min.)	70 from -40°C to 1	20℃		70 from -40°C to 1	120℃	90 from -40°C to 120°C	
Tille	Cooling - without humidity (min.)	75 from 20°C to -4	10℃		85 from 20℃ to -4	10°C	90 from 20°C to -40°C	
	Range (%RH)	25 to 95						
Humidity	Fluctuation 1) (±%RH) at 75%RH / 40°C	0.4 1.0					2.0	
	Variation ¹⁾ (±%RH) at 75%RH / 40℃	3						
Water	Capacity	15L (0.53cu ft) - Ca	rtridge type					
Supply	Water quality	pH6.2 to 7.2 / Electrical conductivity 20µs /cm to below						
No. of wire s	helves (standard / max.)	2/9	2 / 10	2 / 10	2 / 14	2 / 14	2 / 14	
Distance of b	etween shelves (mm / inch)	40 / 1.6	40 / 1.6	40 / 1.6	40 / 1.6	40 / 1.6	40 / 1.6	
D: .	Interior (mm / inch)	500×630×600 / 19.7×24.8×23.6	600×630×800 / 23.6×24.8×31.5	600×850×800 / 23.6×33.5×31.5	1000×800×1000 / 39.4×31.5×39.4	1000×1000×1000 / 39.4×39.4×39.4	1100×1000×1400 / 43.3×39.4×55.1	
Dimension (W×D×H)	Exterior (mm / inch)	1003×1139×1468 / 39.5×44.8×57.8	1103×1139×1668 / 43.4×44.8×65.7	1103×1359×1668 / 43.4×53.5×65.7	1503×1319×1968 / 59.2×51.9×77.5	1503×1519×1968 / 59.2×59.8×77.5	1603×1960×1950 / 63.1×77.2×76.8	
	Net weight (kg / lbs)	320 / 705.5	385 / 848.8	410 / 903.9	620 / 1366.9	680 / 1499.1	860 / 1895.9	
Electrical req	uirements (230V, 60Hz)	1ph / 26.3A	1ph /	26.7A	1ph /	/35.5A		
Cat. No.		AAH80011K	AAH80021K	AAH80031K	AAH80041K	AAH80051K	-	
Electrical requirements (230V, 50Hz)		3ph / 15.3A	3ph /	15.6A	3ph /	20.6A	3ph / 26.3A	
Cat. No.		AAH80012K	AAH80022K	AAH80032K	AAH80042K	AAH80052K	AAH80072K	
Electrical req	uirements (380V, 50Hz)	3ph / 9.1A	3ph	/ 9.2A	3ph /	/ 12.2A	3ph / 15.5A	
Cat. No.		AAH80018K	AAH80028K	AAH80038K	AAH80048K	AAH80058K	AAH80078K	

- 1) Technical data according to DIN 12880, IEC 60068.
- Permissible environmental conditions: temperature (18 to 30°C) and relative humidity (up to 85%). ** All specifications are under ambient temperature 20°C (68°F), No load.
- FDA establishment registered company. FDA listed products.

Safety Systems

- Built in door lock
- · Auto shut off after overheat alarm
- Low and empty water level alarm Power supply leakage breaker
- Over current protection
- Door open alarm

Microprocessor PID control /

Auto-tuning / Calibration User friendly LCD with touch-

sensitive keys

Operating progress visible in

Built-in SD card drive

Temp. and other operating parameters recorded with use of an optional recorder (optional)

Programming operation

- Programmable patterns up to 120 Max. segmentsup to 1200 Pattern repeats up to 999

Computer interface

- Software provided
 RS-232C port as standard offer
 RS-485 communication port offers maximum of 9 temp. and humid. chambers (optional)

Advanced performance of low and high temp. and humid. control, achieved by adapting the humidification tank exterior to the chamber

Water recycling system reduces water consumption

Corrosion resistance stainless steel chamber and electric polished humidification tank

Air-tight door closure with twopoint door latch and heatresistant silicone packing

Great insulation system

· Surface of the unit doesn't allow high temp. of over 60°C even at max. temp operating

Portable water container makes supplying water conve-

Direct water system is beneficial for long-term tests (optional)

Tempered glass window with built in heating wire and LED lamp provides a clear view inside of the chamber.

- Viewing window, Wire shelves, Cable port (Ø50mm)
- · Water container, Door key

TH-I-180/300/408 (-40 to 150°C, 20 to 95%)



Great low temperature and humidity control performance











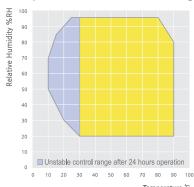






TH-I with the optional recorder

Temp. & Humid. Control Range



Temperature [®]C

	Model	TH-I-180	TH-I-300	TH-I-408			
Chamber vol	ume (L / cu ft)	189 / 7.4	302 / 11.9	408 / 14.4			
Range (℃ / ℉)		-40 to 150 / -40 to 302 without humid * Best programmable control range : -3	ity, 15 to 90 / 59 to 194 with humidity 30 to 140 / -22 to 284				
Temperature	Fluctuation 1) (±°C / °F) at 40°C / 75%RH	0.3 / 0.54					
	Variation 1) (±°C / °F) at 40°C / 75%RH	0.5 / 0.9					
Time	Heating - without humidity (min.)	70 from -40°C to 120°C					
Time	Cooling - without humidity (min.)	75 from 20°C to -40°C					
	Range (%RH)	20 to 95					
Humidity	Fluctuation 1) (±%RH) at 75%RH / 40℃	0.4					
	Variation ¹⁾ (±%RH) at 75%RH / 40℃	3					
Water	Capacity	15L (0.53cu ft) - Cartridge type					
Supply	Water quality	pH6.2 to 7.2 / Electrical conductivity 20µs /cm to below					
No. of wire s	helves (standard / max.)	2/9	2 / 10				
Distance of b	etween shelves (mm / inch)	40 / 1.6	40 / 1.6	40 / 1.6			
D: :	Interior (mm / inch)	500×630×600 / 19.7×24.8×23.6	600×630×800 / 23.6×24.8×31.5	600×850×800 / 23.6×33.5×31.5			
Dimension (WxDxH)	Exterior (mm / inch)	1003×1139×1468 / 39.5×44.8×57.8	1103×1139×1668 / 43.4×44.8×65.7	1103×1359×1668 / 43.4×53.5×65.7			
(VVXDXII)	Net weight (kg / lbs)	320 / 705.5	385 / 848.8	410 / 903.9			
Electrical req	uirements (230V, 60Hz)	1ph / 26.3A	1ph /	26.7A			
Cat. No.		AAH80111K	AAH80121K	AAH80131K			
Electrical requirements (230V, 50Hz)		3ph / 15.3A	3ph /	15.6A			
Cat. No.		AAH80112K	AAH80122K	AAH80132K			
Electrical req	uirements (380V, 50Hz)	3ph / 9.1A	3ph /	9.2A			
Cat. No.		AAH80118K	AAH80128K	AAH80138K			

¹⁾ Technical data according to DIN 12880, IEC 60068.

^{*} FDA establishment registered company. FDA listed products.



Safety Systems

- Built in door lock
- Low and empty water level alarm • Power supply leakage breaker
- Over current protection
- Door open alarm

Microprocessor PID control / Auto-tuning / Calibration

User friendly LCD with touchsensitive keys

Operating progress visible in graph mode

Built-in SD card drive

Temp. and other operating parameters recorded with use of an optional recorder (optional)

Programming operation

- Programmable patterns up to 120Max. segmentsup to 1200Pattern repeats up to 999

Computer interface

- Software provided
 RS-232C port as standard offer
 RS-485 communication port offers maximum of 9 temp. and humid. chambers (optional)

Advanced performance of low and high temp. and humid. control, achieved by adapting the humidification tank exterior to the chamber

Water recycling system reduces water consumption

Corrosion resistance stainless steel chamber and electric polished humidification tank

Air-tight door closure with twopoint door latch and heatresistant silicone packing

Great insulation system

· Surface of the unit doesn't allow high temp. of over 60°C even at max. temp operating

Portable water container makes supplying water conve-

Direct water system is beneficial for long-term tests (optional)

Tempered glass window with built in heating wire and LED lamp provides a clear view inside of the chamber.

- Viewing window, Wire shelves, Cable port (Ø50mm)
- · Water container, Door key

[※] Permissible environmental conditions: temperature (18 to 30℃) and relative humidity (up to 85%).

[※] All specifications are under ambient temperature 20°C (68°F), No load.

TH-KH-180/300/408 (-70 to 150°C, 25 to 95%)



Wide temperature range down to -70°C and high advanced safety features for quality and reliability













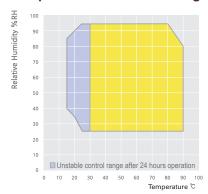






TH-KH with the optional recorder

Temp. & Humid. Control Range



Calibra	mulcater over lemp. Auto Kun					
	Model	TH-KH-180	TH-KH-300	TH-KH-408		
Chamber volu	me (L / cu ft)	189 / 7.4	302 / 11.9	408 / 14.4		
Range (°C / °F)		-70 to 150 / -94 to 302 without humidity, 15 to 90 / 59 to 194 with humidity * Best programmable control range : -60 to 140 / -76 to 284				
Temperature	Fluctuation 1) (±°C /°F) at 40°C / 75%RH	0.3 / 0.54				
	Variation 1) (±°C / °F) at 40°C / 75%RH	0.5 / 0.90				
Time	Heating - without humidity (min.)	70 from -70°C to 120°C				
Time	Cooling - without humidity (min.)	80 from 20°C to -70°C	80 from 20℃ to -70℃			
	Range (%RH)	25 to 95				
Humidity	Fluctuation 1) (±%RH) at 75%RH / 40°C	0.4				
	Variation 1) (±%RH) at 75%RH / 40℃	3.0				
Water supply	Capacity	15L (0.53cu ft) - Cartridge type				
vator suppry	Water quality	pH6.2 to 7.2 / Electrical conductivity 20 µs /cm to below				
No. of wire sh	elves (standard / max.)	2/9	2 / 10	2 / 10		
Distance of be	tween shelves (mm / inch)	60 / 2.4	60 / 2.4	60 / 2.4		
D	Interior (mm / inch)	500×630×600 / 19.7×24.8×23.6	600×630×800 / 23.6×24.8×31.5	600×850×800 / 23.6×33.5×31.5		
Dimension (WxDxH)	Exterior (mm / inch)	1043x1613x1558 / 41.1x63.5x61.3	1143x1833x1758 / 45.0x72.2x69.2	1143x2053x1758 / 45.0x80.8x69.2		
	Net weight (kg / lbs)	320 / 705.5	385 / 848.8	410 / 903.9		
Electrical requirements (230V, 50Hz)		3ph / 17.2A	3ph	/ 17.3A		
Cat. No.		AAHC3012K	AAHC3112K	AAHC3212K		
Electrical requ	irements (380V, 50Hz)	3ph / 10.1A	3ph	/ 10.2A		
Cat. No.		AAHC3014K	AAHC3114K	AAHC3214K		

¹⁾ Technical data according to DIN 12880, IEC 60068.

- ※ Permissible environmental conditions: temperature (18 to 30℃) and relative humidity (up to 85%).
- All specifications are under ambient temperature 20°C (68°F), No load.
- * FDA establishment registered company. FDA listed products.

Safety Systems

- Auto shut off after overheat alarm
- Low and empty water level alarmPower supply leakage breakerOver current protection
- Door open alarm

Microprocessor PID control /

Auto-tuning / Calibration

User friendly LCD with touchsensitive keys

Operating progress visible in graph mode

Built-in SD card drive

Temp. and other operating parameters recorded with use of an optional recorder (optional)

Programming operation

- Programmable patterns up to 120Max. segmentsup to 1200Pattern repeats up to 999

Computer interface

- Software provided
 RS-232C port as standard offer
 RS-485 communication port offers maximum of 9 temp. and humid. chambers (optional)

Advanced performance of low and high temp. and humid. control, achieved by adapting the humidification tank exterior to the chamber

Water recycling system reduces water consumption

Corrosion resistance stainless steel chamber and electric polished humidification tank

Air-tight door closure with twopoint door latch and heatresistant silicone packing

Great insulation system

· Surface of the unit doesn't allow high temp. of over 60°C even at max. temp operating

Portable water container makes supplying water conve-

Direct water system is beneficial for long-term tests (optional)

Tempered glass window with built in heating wire and LED lamp provides a clear view inside of the chamber.

- · Viewing window, Wire shelves, Cable port (Ø50mm)
- · Water container, Door key

TH-TG-180/300/408/800/1000/1500 (-5 to 100°C, 10 to 95%)



Economy Environmental Test Chamber

Stability Test in accordance with ICH Guidelines Q1A (R2)











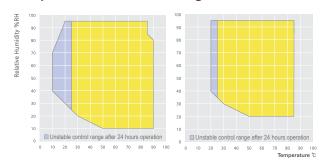






TH-TG with the optional recorder

Temp. & Humid. Control Range



TH-TG-180/300/408

TH-TG-800/1000/1500

Program Calibrat	indicater Over lemp. Auto Run							
	Model	TH-TG-180	TH-TG-300	TH-TG-408	TH-TG-800	TH-TG-1000	TH-TG-1500	
Chamber volu	me (L / cu ft)	180 / 6.4	314 / 11.1	419 / 14.8	770 / 27.2	997 / 35.2	1540 / 54.4	
	Range (°C / °F)	-5 to 100 / 23 to 21 10 to 90 / 50 to 19	2 without humidity 4 with humidity		-5 to 100 / 23 to 2 20 to 90 / 68 to 19	12 without humidity 94 with humidity		
Temperature 1)	Fluctuation 1) (±°C / °F) at 40°C / 60%RH	0.3 / 0.55						
	Variation 1) (±°C / °F) at 40°C / 60%RH	0.5 / 0.9						
Time	Heating	50min (-5°C → 100°C	c)		55min (-5°C → 100°C	c)		
Time	Cooling	120min (100°C → -5	120min (100°C → ·5°C) 145min (100°C → ·5°C)					
	Range (%RH)	10 to 95			20 to 95			
Humidity	Fluctuation ²⁾ (±%RH) at 60%RH / 40℃	2						
	Variation ²⁾ (±%RH) at 60%RH / 40℃	3						
Water tank	Capacity (L / cu ft)	15 / 0.53					30 / 1.1	
vvater tarik	Water quality	pH6.2 ~ 7.2, Electrical conductivity 20µs / cm to below						
No. of wire sh	elves (standard / max.)	2/7	2/8	2/8	2 / 17	2 / 17	2 / 17	
Distance of be	tween shelves (mm / inch)	60 /2.4	60 /2.4	60 /2.4	60 /2.4	60 /2.4	60 /2.4	
	Interior (mm / inch)	500×600×600 / 19.7×23.6×23.6	748×600×700 / 29.4×23.6×27.6	748×800×700 / 29.4×31.5×27.6	748×920×1120 / 29.4×36.2×44.1	748×1190×1120 / 29.4×46.9×44.1	1100×1000×1400 / 43.3×39.4×55.1	
Dimension (W×D×H)	Exterior (mm / inch)	950×907×1484 / 37.4×35.7×58.4	1200×863×1524 / 47.2×34×60	1200×1063×1524 / 47.2×41.9×60.0	1200×1230×1973 /47.2×48.4×77.7	1200×1500 ×1973 / 47.2×59.1×77.7	1554×1876×1935 / 61.2×73.9×76.2	
	Net weight (kg / lbs)	220±10 / 485±22	250±10 / 551±22	280±10 / 617±22	360±10 / 794±22	410±10 / 904±22	480±10 / 1058±22	
	AC230V, 1ph, 60Hz	12.3 A	14.5 A	14.5 A	15.4 A	15.4 A	25.0A	
Electrical requirements	Cat.No.	AAHC2001K	AAHC2011K	AAHC2021K	AAHC2031K	AAHC2041K	AAHC2051K	
	AC230V, 1ph, 50Hz	14.8A	17.4A	17.4A	18.5A	18.5A	30.0A	
	Cat.No.	AAHC2002K	AAHC2012K	AAHC2022K	AAHC2032K	AAHC2042K	AAHC2052K	

- 1) All specifications are under ambient temperature 20 $^{\circ}\text{C}$ (68 $^{\circ}\text{F}$), No load.
- 2) Technical data according to DIN 12880, IEC 60068.
- * FDA establishment registered company. FDA listed products.

JEIO TECH TH-TG

Safety Systems

- Built in door lockAuto shut off after overheat alarm • Low and empty water level alarm
- Power supply leakage breaker
- Over current protection
- Door open alarm

Microprocessor PID control / Auto-tuning / Calibration

Colorful interactive touch type LCD controller

Operating progress visible in

Temp. and other operating paran optional recorder (optional

Programming operation

Computer interface

- Software provided
 RS-232C port as standard offer
 RS-485 communication port offers maximum of 9 temp. and humid. chambers (optional)

Advanced performance of low and high temp. and humid. control, achieved by adapting the humidification tank exterior to the chamber

Water recycling system reduces water consumption

Corrosion resistance stainless steel chamber and electric polished humidification tank

Air-tight door closure with twopoint door latch and heatresistant silicone packing

Great insulation system

· Surface of the unit doesn't allow high temp. of over 60°C even at max. temp operating

Portable water container makes supplying water convenient

Direct water system is beneficial for long-term tests (optional)

Tempered glass window with built in heating wire and LED lamp provides a clear view inside of the chamber.

- · Viewing window, Wire shelves, Cable port (Ø50mm)
- · Water container, Door key

TH-DG-150/300/400 (-5 to 100°C, 15 to 90%)



Environmental test equipment with dual chambers.

Specially designed for conducting each different experiment at once. Stability test in accordance with ICH guidelines Q1A (R2)

















TH-DG with the optional recorder

Temp. & Humid. Control Range



Temperature ${}^{\circ}\!\mathbb{C}$

	Maria.	TH DO 450	TH DO 200	TU DC 400				
	Model	TH-DG-150	TH-DG-300	TH-DG-400				
Chamber vo	olume (L / cu ft)	150 / 5.30 x 2 chambers	384 / 13.56 x 2 chambers					
Range (℃ / ℉)		-5 to 100 / 23 to 212 without humi	dity, 15 to 90 / 59 to 194 with humidit	у				
Temp.	Fluctuation 1) (±°c / °F) at 40°C / 75%RH	0.3 / 0.55	0.3 / 0.55					
	Variation 1) (±°C / °F) at 40°C / 75%RH	0.5/0.9						
	Range (%RH)	15 to 90						
Humidity	Fluctuation 1) (±%RH) at 75%RH / 40°C	0.8						
	Variation ¹⁾ (±%RH) at 75%RH / 40℃	3.0						
Water	Capacity (L / cu ft)	20 / 0.70 24 / 0.84						
Supply	Water quality	pH6.2 to 7.2 / Electrical conductivity 20µs /cm to below						
No. of wire	shelves (standard / max.)	2/7	2/8	2/8				
Distance of	between shelves (mm / inch)	60 / 2.4	60 / 2.4	60 / 2.4				
	Interior (mm / inch)	600x500x500 / 23.6x19.7x19.7	800x600x600 / 31.5x23.6x23.6	800x600x800 / 31.5x23.6x31.5				
Dimension (W×D×H)	Exterior (mm / inch)	1055x1320x1725 / 41.5x52.0x67.9	1255x1470x1925 / 49.4x57.9x75.8	1255x1670x1925 / 49.4x65.7x75.8				
(VVADAII)	Net weight (kg / lbs)	420 / 925.9	516 / 1137.6	560 / 1234.6				
Electrical requirements (230V, 60Hz)		1ph / 13.6 A x 2ea	1ph / 1	7.5 A x 2ea				
Cat. No.		AAHC6001K	AAHC6011K	AAHC6021K				
Electrical re	quirements (230V, 50Hz)	1ph / 13.6 A x 2ea	1ph / 1	7.5 A x 2ea				
Cat. No.		AAHC6002K	AAHC6012K	AAHC6022K				

¹⁾ Technical data according to DIN 12880, IEC 60068.

- ※ Permissible environmental conditions: temperature (18 to 30℃) and relative humidity (up to 85%).
- ※ All specifications are under ambient temperature 20℃ (68°F), No load.
- * FDA establishment registered company. FDA listed products.

Efficient lab space use with dual chambe

- Designed to offer an ideal and cost-effective solution for laboratories with limited space and budget.

 Two chambers merged into a
- Optimum model selection between three sized chambers according to application demand
 Suitable for conducting each
- different experiment at once.
 Independent temperature
 and humidity control of each
 chamberusing microprocessor PID

Safety Systems

- Auto shut off after overheat alarm
 Low and empty water level alarm
 Power supply leakage breaker
- Over current protection
- Door open alarm

Microprocessor PID control / Auto-tuning / Calibration

Colorful interactive touch LCD

Operating progress visible in graph mode

Temp. and other operating parameters recorded with use of an optional recorder (optional)

Programming operation

- Programmable patterns up to 100Max. segmentsup to 2000Pattern repeats up to 999

Computer interface

- Software provided
 RS-485 communication port offers maximum of 32 temp. and humid.

Advanced performance of low and high temp. and humid. control, achieved by adapting the humidification tank exterior to the chamber

Water recycling system reduces water consumption

Corrosion resistance stainless steel chamber and electric polished humidification tank

Air-tight door closure with twopoint door latch and heatresistant silicone packing

Great insulation system

Water supply during operation is also available for long term test purposes

Direct water system is beneficial for long-term tests (optional)

Tempered glass window with built in heating wire and LED lamp provides a clear view inside of the chamber.

- Viewing window, Wire shelves, Cable port (Ø50mm)
- · Water container. Door key

Climate Chambers (Tabletop Models)

TH-KE/ME/PE-025/065/100 (-40 to 150°C, 20 to 95% / -20 to 150°C, 20 to 95% / 0 to 120°C, 30 to 95%)



Light weight and compact design with high performance.









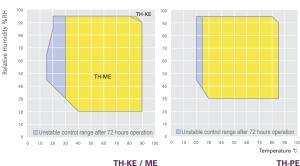








Temp. & Humid. Control Range



	Medal	TH-KE-025	TH-KE-065	TH-KE-100	TH-ME-025	TH-ME-065	TH-ME-100	TH-PE-025	TH-PE-065	TH-PE-100
	Model	1 III-KE-025	111-1/12-000	1 H-VE-100	I III-IVIE-UZ5	I II-INIE-000	I III-IVIE- IUU	1 H-PE-025	111-12-000	1 H-PE-100
Chamber volum	ne (L / cu ft)	25 / 0.9	65 / 2.3	100 / 3.5	25 / 0.9	65 / 2.3	100 / 3.5	25 / 0.9	65 / 2.3	100 / 3.5
	Range (°C / °F)	-40 to 150 / -40 90 / 59 to 194	0 to 302 without I with humidity	numidity, 15 to		-4 to 302 without to 194 with hum	,		to 248 without he to 194 with humi	,
Temperature	Fluctuation ¹⁾ (±℃ / °F) at 50°C / 60%RH	0.4 / 0.72	0.4 / 0.72	0.3 / 0.54	0.3 / 0.54	0.2 / 0.36	0.2 / 0.36	0.2 / 0.36	0.3 / 0.54	0.2 / 0.36
	Variation¹) (±°C / °F) at 50°C / 60%RH	0.3 / 0.54	0.4 / 0.72	0.4 / 0.72	0.6 / 1.08	0.2 / 0.36	0.2 / 0.36	0.3 / 0.54	0.3 / 0.54	0.3 / 0.54
	Range (%RH)	20 to 95			20 to 95			30 to 95		
Humidity	Fluctuation ²⁾ (±%RH) at 60%RH / 50°C	4.1	2.8	1.8	2.0	2.7	2.7	1.6	0.4	0.5
	Variation ²⁾ (±%RH) at 60%RH / 50°C	0.9	1.0	1.2	0.6	1.1	1.2	3.0	3.0	3.0
Water tank	Capacity (L / cu ft)	7.5 / 0.26	10 / 0.35	14.5 / 0.51	7.5 / 0.26	10 / 0.35	14.5 / 0.51	7.5 / 0.26	10 / 0.35	14.5 / 0.51
vvater tarik	Water quality	pH6.2 ~ 7.2, E	lectrical conductiv	vity 20°C / cm to	below					
No. of wire shell	ves (standard / max.)	2/7	2 / 10	2 / 10	2/7	2 / 10	2 / 10	2/7	2 / 10	2 / 10
Distance of bety	ween shelves (mm / inch)	20 /1.6	20 /1.6	20 /1.6	20 / 1.6	20 / 1.6	20 / 1.6	20 /1.6	20 /1.6	20 /1.6
	Interior (mm)	348×220×353	398×330×498	498×390×538	348×220×353	398×330×498	498×390×538	348×220×353	398×330×498	498×390×538
Dimension	External (mm)	552x878x919	602x1048x1056	760×1108×1096	552x878x919	602×1048×1056	760×1108×1096	552x878x919	602×1048×1056	760×1108×1096
(W×D×H)	Net weight (kg / lbs)	110 ±10	140 ±10	150 ±10	80±5	110±5	130±5	80±5	110±5	130±5
	Tree weight (kg / iba)	/ 242.5 ±22	/ 308.6 ±22	/330.7 ±22	/ 176±11	/ 242±11	/ 286±11	/ 176±11	/ 242±11	/ 286±11
Electrical requirements (AC230V, 1ph, 60Hz)		10.1A	12.4A	16A	9.6A	12A	15.5A	9.6A	12A	14.4A
Cat. No.		AAH82411K	AAH82421K	AAH82431K	AAH82111K	AAH82121K	AAH82131K	AAH82211K	AAH82221K	AAH82231K
Electrical requir	ements (AC230V, 1ph, 50Hz)	9.7A	11.8A	15.6A	9.2A	11.1A	13.8A	9.2A	11.1A	13.8A
Cat. No.		AAH82412K	AAH82422K	AAH82432K	AAH82112K	AAH82122K	AAH82132K	AAH82212K	AAH82222K	AAH82232K

¹⁾Technical data according to DIN 12880, IEC 60068.

^{*} FDA establishment registered company. FDA listed products.



Safety Systems

- Power supply leakage breaker
- Over current protectionDoor open alarm

Microprocessor PID control / Auto-tuning / Calibration

Colorful interactive touch type LCD controller

Operating progress visible in graph mode

Temp. and other operating parameters recorded with use of an optional recorder (optional

Programming operation

- Programmable patterns up to 100Max. segmentsup to 2000Pattern repeats up to 999

Computer interface

- Software provided
 RS-232C port as standard offer
 RS-485 communication port offers maximum of 9 temp. and humid. chambers (optional)

Compact design and quite operation

Uniform temperature and humidity control guarantees reliable test result

Water recycling system reduces water consumption

Corrosion resistance stainless steel chamber and electric polished humidification tank

Air-tight door closure with perfect sealed packing

Great insulation system

Water level condition is easy to check by the water level indicator

Direct water system is beneficial for long-term tests (optional)

Operating condition is clearly noticed by the front LED indicator (status of running, stop, and power off condition)

Tempered glass window with built in heating wire and LED lamp provides a clear view inside of the chamber

Cable port for introduction of external probes or wires

Viewing window, Wire shelves, Cable port (Ø50mm), Door key

[※] Permissible environmental conditions: temperature (18 to 30℃) and relative humidity (up to 85%).

[※] Recommended ambient temperature: +20°C(68°F).

Clean temp. & Humid. Chamber

TH-CR-270 (-35 to 100°C, 30 to 90%)



Specially designed for processes requiring clean and controlled environmental test conditions (ISO Class 5 air cleanliness as per ISO 14644-1)









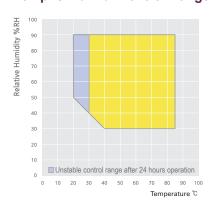






TH-CR-270 with the optional recorder

Temp. & Humid. Control Range



	Model	TH-CR-270				
Chamber vo	lume (L / cu ft)	270 / 9.5				
	Range (°C / °F)	-35 to 100 / -31 to 212 without humidity, 20 to 85 / 104 to 185	with humidity			
Temp.	Fluctuation 1) (±°C / °F) at 40°C / 60%RH	0.5 / 0.9				
	Variation 1) (±°C / °F) at 40°C / 60%RH	0.5 / 0.9				
Time	Heating - without humidity (min.)	60 from -35°C to 120°C (-31°F to 248°F)				
Time	Cooling - without humidity (min.)	65 from 20°C to -35°C (68°F to -31°F)				
	Range (%RH)	30 to 90				
Humidity	Fluctuation 1) (±%RH) at 60%RH / 40℃	3				
	Variation 1) (±%RH) at 60%RH / 40℃	3				
Cleanliness		Class 100 (ISO 14644-1)				
Water	Capacity	15L (0.53cu ft) - Cartridge type				
supply	Water quality	pH6.2 to 7.2 / Electrical conductivity 20µs /cm to below				
No. of wire s	helves (standard / max.)	2 / 10				
Distance of h	petween shelves (mm / inch)	40 /1.6				
Dimension	Interior (mm / inch)	600×700×648 / 23.6×27.6×25.4				
(W×D×H)	Exterior (mm / inch)	1180×1120×1935 / 46.5×44.1×76.2				
(VVXDXII)	Net weight (kg / lbs)	400±10 / 881.8±22				
Electrical red	quirements (230V, 1ph)	60Hz / 29A	50Hz / 29A			
Cat. No.		AAH83011K	AAH83012K			
Electrical red	uirements (380V, 3ph)	50Hz / 9.6A				
Cat. No.		AAH83018K				

- 1) Technical data according to DIN 12880, IEC 60068.
- ※ Permissible environmental conditions; temperature (18 to 30℃) and relative humidity (up to 85%).
- * All specifications are under ambient temperature 20°C (68°F), No load.
- W Upon request, other sizes of chambers are available. Please contact with us.
- * FDA establishment registered company. FDA listed products.







Heat-resisting HEPA filter provides clean environment

0.3 µm and larger particulates are removed with 99.99% efficiency

ULPA filter provides for better air cleanliness of the chamber

• 0.1 µm and larger particulates are removed with 99.999% efficiency

No external exhaust system required

Safety Systems

- Auto shut off after overheat alarm
- Low and empty water level alarmPower supply leakage breakerOver current protection

- Door open alarm

Microprocessor PID control / Auto-tuning / Calibration

5.7 inch color touch type LCD

Operating progress visible in graph mode

Temp. and other operating parameters recorded with use of an optional recorder (optional)

- Programmable patterns up to 120Max. segmentsup to 1200Pattern repeats up to 999

- Software provided
 RS-232C port as standard offer
 RS-485 communication port offers maximum of 9 temp. and humid. chambers (optional)

Silicone-free construction for clean environment

Corrosion resistance stainless steel chamber

Built-in differential pressure gauge for easy observation of HEPA filter condition

Exhaust duct is located at the upper right side of the unit to avoid influence other devices

Air-tight door closure with perfect sealed packing

• Heat-resistant silicone packing completely blocks high heat leakage from the inner chamber Water level check indicated by level bar in the water tank

Direct water system is beneficial for long-term tests (optional)

Clear observation of samples

- · Tempered glass window with heating wire and lighting provides a clear view of samples in the chamber, beneficial for during testing
- Inner glass door with entry ports for handling samples without affecting inner chamber temperature and humidity (optional)



[·] Viewing window, Wire shelves, Cable port (Ø50mm), HEPA filter, Water container



Pharmaceutical stability test chamber units comply with the ICH guidelines

Stability Testing Q1A (R2) Photostability Testing Q1B (Option 2)















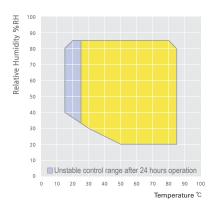






TH-ICH with the optional recorder

Temp. & Humid. Control Range



	Model	TH-ICH-300	TH-ICH-800				
Chamber volume	e (L / cu ft)	300 / 10.6	760 / 26.8				
Controller		PID control (LCDType)					
Temperature 1)	Range (℃ / ℉)	-5 to 85 / 23 to 185 without Light, 0 to 85 / 32 to 4 +15 to 85 / 59 to 185 with Light (with humidity)	185 with Light (without humidity)				
Temperature	Fluctuation 1) (±°c / °F)	0.3 / 0.55 at 40 [°] C / 60%RH	0.3 / 0.55 at 40°C / 60%RH				
	Variation 1) (±°c / °F)	0.5 / 0.9 at 40° / 60%RH	0.7 / 1.3 at 40°C / 60%RH				
Time	Heating	25min (20°C → 85°C)	30min (20°C → 85°C)				
Time	Cooling	35min (20°C → -5°C)	40min (20°C → .5°C)				
	Range (%RH)	20 to 85					
Humidity	Fluctuation 2) (±%RH)	3 at 60%RH / 40℃	3 at 60%RH / 40°C				
Variation 2) (±%RH)		5 at 60%RH / 40°C	5 at 60%RH / 40°C				
Light source (ICH Q1B option 2)	Cool white ³⁾	6,000 lux	6,500 lux				
	Ultraviolet-A ³⁾	4.5 W/m²	5 VV/m²				
(ICH QTB option 2)	Light uniformity	VIS.: ±10%, UVA: ±15%	VIS.: ±15%, UVA: ±15%				
	uired to reach ICH on of 1.2 million lux-hr	≒ 200Hr	≒ 184Hr				
Typical time requ recommendation	uired to reach ICH n of 200 W-hr/m²	≒ 50Hr ≒ 40Hr					
Water tank	Capacity (L / cu ft)	15 / 0.53					
vvater tarik	Water quality	pH6.2 ~ 7.2, Electrical conductivity 20µs / cm to below					
	ves (standard / max.)	2/8	2 / 17				
Distance of betw	veen shelves (mm / inch)	60 /2.4	60 /2.4				
Dimension	Interior (mm / inch)	750×650×650 / 29.5×25.6×25.6	750×880×1160 / 29.5×34.6×45.7				
(WxDxH)	Exterior (mm / inch)	1130×985×1520 / 44.5×38.8×59.8	1220×1215×1965 / 48×47.8×77.4				
	Net weight (kg / lbs)	280±10 / 617±22	400±10 / 882±22				
	AC230V, 1ph, 60Hz	15.4 A	24.5 A				
Electrical	Cat.No.	AAHC1001K	AAHC1011K				
requirements	AC230V, 1ph, 50Hz	14.7 A	23.5 A				
	Cat.No.	AAHC1002K	AAHC1012K				

- 1) All specifications are under ambient temperature 20°C (68°F), No load.
- 2) Technical data according to DIN 12880, IEC 60068.
- 3) The value is measured on the center of chamber at the point of vertical direction.
- * FDA establishment registered company. FDA listed products.



Optimum temperature and humidity control system for long-term stability test

Independent luminescence control system for photostability test

Safety Systems

- Completed photostability test alarm
- Built in door locking mechanism
- Auto shut off after overheat alarm
- Power supply leakage breakerOver current protectionDoor open alarm

Microprocessor PID control / Auto-tuning / Calibration

LCD controller

Operating progress visible in graph mode

Programming operation

- Programmable patterns up to 100Max. segmentsup to 2000Pattern repeats up to 999

- Computer interface
- Software provided
 RS-232C port as standard offer
 RS-485 communication port offers maximum of 9 temp. and humid. chambers (optional)

Rapid humidity control is achieved by adapting the humidification tank interior to the chamber

Corrosion resistant stainless steel chamber

Air-tight door closure with perfect sealed packing

Cable port for introduction of external probes or wires

Inner glass door with entry ports for handling samples without affecting inner chamber temp. and humidity (optional)

Features for Stability Test ICH Guideline Q1A (R2)

- Operating progress visible through graph mode
- Cyclic defrost system for the long period stability test operation
- Water level check indicated by level bar in the water tank
- Direct water system is benefical for performing long-term test (optional)

Features for Photostability Test ICH Guideline Q1B (Option 2)

- Built in UV and fluorescent lamps for uniformed luminescence
- Equipped with movable UV and VIS sensors
- Independent lamp controller: An indicator for Total usage time of UV and fluorescent lamps
- · Convenient set function of cumulative dosage and lamp Off

- Wire shelves. Cable port (Ø50mm)
- Fluorescent lamp (cool white), UVA lamp, UV sensor, Illumination sensor, Door key

Plant Growth Chambers

GC-300TLH/1000TLH (5 to 50°C, 40 to 90%)



Optimal photosynthesis condition guaranteed when using our plant growth chamber

Ample capacity, maximum capacity of 1000L to satisfy user's plant growth needs















GC-1000THL with the optional recorder

	Model	GC-3	OOTI	CC 2	DOTLH	CC 10	00TLH		
			UUIL	GC-31	UUILH		UUILN		
Chamber volume (L / cu ft)		300 / 10.6			1000 / 35.3				
Control system		Microprocessor PID controller							
	Range (°c / °F)	5 to 50 / 41 to 122 - Lamp off, 10 to 50 / 50 to 122 - Lamp on, 20 to 50 / 68 to 122 - with humidity							
Temperature	Fluctuation (±°c / °F) at 25°C	0.1 / 0.18 - without humidity							
	Variation (±°C / °F) at 25°C	0.8 / 1.43 - without humidity							
	Range (Lux)	0 to 20,000				0 to 35,000			
Illumination	Control (steps)	10				11			
	Lamp		FI lamp (32W×18ea)				FL lamp (32W×16ea), Metal lamp (400W×3ea)		
Humidity	Range (% RH)	-		40 to 80 at 20 to 35℃		50 to 90 at 20 to 35℃			
	rtalige (% km)			70 to 90 at 36 to 50℃		60 to 90 at 36 to 50℃			
	Fluctuation (±RH) at 60% RH	-		3					
Co ₂ (optional)	Range (ppm)	Max. 5,000							
CO2 (optional)	Sensor	NDIR CO ₂ sensor							
Temp. heater power (W)		750×2ea			1,500×2ea				
Humid. heater power (W)		-		1300		1500			
Dimension (W×D×H)	Interior (mm / inch)	510×540×1100 / 20×21.3×43.3			1200×800×1080 / 47.2×31.5×42.5				
	Exterior (mm / inch)	700×805×1900 / 27.6×30.1×74.8			1410×1070×2150 / 55.5×42.1×84.7				
(VVADAII)	Net weight (kg / lbs)	250 / 551.2				550 / 1212.5			
Electrical requirements (230V)		60Hz / 15A	50Hz / 15A	60Hz / 15A	50Hz / 15A	60Hz / 17A	50Hz / 17A		
Cat. No.		AAHA1011K	AAHA1012K	AAHA1021K	AAHA1022K	AAHA1031K	AAHA1032K		

^{*} FDA establishment registered company. FDA listed products.



Optimal photosynthesis condition for plant growth

- Uniform temperature and humidity
- (TLH models)
 Reinforced Blue and Red
- spectrums lighting system for plant photosynthesis
 Optional CO₂ sensor (optional)
 Programmable temperature, humidity, and lighting
- Progressive temperature, humidity, illumination program control for optimization of plant growth environment for night and day

Safety Systems

- Auto shut off after overheat alarm
 Low and empty water level alarm
 Power supply leakage breaker
 Over current protection
 Overheat protection
 Door open alarm

Microprocessor PID control / Auto-tuning / Calibration

10 step programmable temperature, humidity, and illumination profiles and repeatable steps of up to 999 cycles

- Uniformed luminescence distribution
 Broad distribution of side lamps for hastening the growth of plants
 High intensity illumination of upper lamp for light efficient and low thermal load (only for GC-1000TLH/1000TL)
 Unique construction for minimization of heat increase from surrounding lamps
 Tempered glass door blocks heated air from lamps
 Designed to exhaust heated air through upper vent holes (only for GC-1000TLH)
 Stable and long lasting lighting through introduction of high frequency electronic ballast lamps

Ergonomically designed door construction

- Inner glass door with silicone and external door with magnetic sealing for dual airtight packing
- · Well designed providing a smooth open for minimization of damage to plants

Wide inner tempered glass door for clear observation of plant growth without affecting inner chamber's environment

Tall plants can be grown inside of the chamber with adjustment of shelve level

Maintenance of air filter no longer cumbersome with our detachable condenser air filter



[·] Inner glass door. Wire shelves



for Tabletop Chambers & Floor Standing Chambers

Accessory check list

Description -	Models									
Description	TH-G	TH-I	TH-KH	TH-TG	TH-DG	TH-KE	TH-ME	TH-PE	TH-ICH	TH-CR
Recorder (6 points)	0	0	0	0	0	0	0	0	0	٥
Recorder (digital, 6 channels)	0	0	0	0	0	0	0	0	0	٥
Interface converter (RS-485C → 232C included a cable, 5m / 16.4ft)	0	0	0	0	0	0	0	0	0	٥
Interface cable (5m / 16.4ft)	0	0	0	0	0	0	0	0	0	0
Warning signal lamp	0	0	0	0	0	0	0	0	0	۰
Inner glass door	0	0	0	0	0	-	-	-	0	-
Viewing window				0			0	0	-	п
Wire shelf	П				В	п		П		В
Perforated shelf	0	0	0	0	0	0	0	0	0	۰
Cable port (Ø 50mm / 2")			П	П			п			
Cable port (Ø 80mm / 3.2") ¹⁾	0	0	0	0	0	0	0	0	0	0
Temperature sensor (RTD type)			П	П			П			
Humidity sensor			П						0	В
Fluorescent lamp (Cool White)	-	-	-	-	-	-	-	-		-
UVA lamp	-	-	-	-	-	-	-	-		-
UV sensor	-	-	-	-	-	-	-	-		-
Illumination Sensor	-	-	-	-	-	-	-	-		-
HEPA filter	-	-	-	-	-	-	-	-	-	
ULPA filter	-	-	-	-	-	-	-	-	-	0
Water cartridge tank (Water Container)	П			0	-	-	-	-	-	В
Water purifier	0	0	0	0	0	0	0	0	0	0
Direct water system	0	0	0	0	0	0	0	0	0	0
Stand	-	-	-	-	-	0	0	0	-	-
Two step stand	_	_	_	_	_	0	0	0	_	_

^{1) 80}mm cable access hole is NOT available for 25L chamber.



for Tabletop Chambers & Floor Standing Chambers

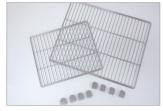
Ordering information

Cat. No.	Description	Suitable for			
AAA8T504	B 1	Tabletop models			
AAA8T500	Recorder (6 points)	Floor standing models			
AAA8T506		Tabletop models			
AAA8T505	Recorder (digital, 6 channels)	Floor standing models			
AAA8T540	Interface converter (RS-485C - 232C included a cable, 5m / 16.4ft)	All models			
AAA8T542	Interface cable (5m / 16.4ft)	All models			
AAA80550	Warning signal lamp	All models			
AAA81552		TH-G/I/KH-180			
AAA81551		TH-G/I/KH-300, 408, CR-270			
AAA81550		TH-G-800, 1000			
AAAC2501		TH-TG-180			
AAAC2502		TH-TG-300, 408			
AAAC2503	Inner glass door	TH-TG-800, 1000			
AAAC6511		TH-DG-150			
AAAC6512		TH-DG-300			
AAAC6513		TH-DG-400			
AAA81554		TH-ICH-300			
AAA81555		TH-ICH-800			
AAA8T610	Cable port (Ø 50mm / 2")	All models			
AAA8T611	Cable port (Ø 80mm / 3.2")	All models			
		TH-G/I/DG			
CFA1185	Temperature sensor (RTD type)	TH-TG/ICH/CR,			
		TH-KE/ME/PE			
CFA7113	Humidity sensor	All models			
RTD1190	Fluorescent lamp (cool white)	TH-ICH-300			
RTD1191	Fluorescent lamp (cool write)	TH-ICH-800			
RTD1188	UVA lamp	TH-ICH-300			
RTD1189	OVA larrip	TH-ICH-800			
AAA80680	THE-680 UV sensor	TH-ICH-300/800			
AAA80681	THE-681 Illumination sensor	TH-ICH-300/800			
AAA80661	Door lock device	TH-ICH-300/800			
EDA9184	HEPA filter	TH-CR-270			
EDA9175	ULPA filter	TH-CR-270			
AAA80622	Water cartridge tank	All models			
AAA8T621	Water purifier	All models			
AAA80620	Direct water system	All models			
AAA80631		TH-KE/ME/PE-025			
AAA80632	Stand	TH-KE/ME/PE-065			
AAA80633		TH-KE/ME/PE-100			
AAA80634	Two step stand	TH-KE/ME/PE-025			
AAA80635	IVVO Step Stariu	TH-KE/ME/PE-065			

Cat. No.	Description	Suitable for			
RTD679		TH-KE/ME/PE-025			
RTD680		TH-KE/ME/PE-065			
RTD681		TH-KE/ME/PE-100			
EDA8212		TH-G/I/KH-180			
EDA8213		TH-G/I/KH-300			
EDA8214		TH-G/I/KH-408			
EDA8215		TH-G-800			
EDA8216		TH-G-1000			
RTD1302		TH-TG-180			
RTD1303	Wire shelf	TH-TG-300			
RTD1300	vviie stieli	TH-TG-408			
RTD1304		TH-TG-800			
RTD1301		TH-TG-1000			
RTD1305		TH-G/TG-1500			
EDA8251		TH-DG-150			
RTD1280		TH-DG-300			
EDA8250		TH-DG-400			
RTD1196		TH-ICH-300			
RTD1198		TH-ICH-800			
STT1040		TH-CR-270			
AAA80602-6		TH-KE/ME/PE-025			
AAA80602-7		TH-KE/ME/PE-065			
AAA80602-8		TH-KE/ME/PE-100			
AAA80602-1		TH-G/I/KH-180			
AAA80602-2		TH-G/I/KH-300			
AAA80602-3		TH-G/I/KH-408			
AAA80602-4		TH-G-800			
AAA80602-5		TH-G-1000			
AAA80604-11		TH-TG-180			
AAA80604-12	Perforated shelf	TH-TG-300			
AAA80604-13	- Chorated Shell	TH-TG-408			
AAA80604-14		TH-TG-800			
AAA80604-15		TH-TG-1000			
AAA80604-16	_	TH-G/TG-1500			
AAAC6501		TH-DG-150			
AAAC6502		TH-DG-300			
AAAC6503		TH-DG-400			
AAA80604-2		TH-ICH-300			
AAA80604-4		TH-ICH-800			
AAA80603-1		TH-CR-270			

for Plant Growth Chamber

Accessories & Options









Wire shelves Perforated shelves

Recorder (dot type)

 $CO_2\,sensor$

		Wire shelves			Perforated shelves		
Model	Cat. No.	Dimension (WxL, mm / inch)	No. of shelves (standard/max.)	Cat. No.	Dimension (WxL, mm / inch)	No. of shelves (max.)	
GC-300TL	EDA8220	400 -400 / 10 0 - 10 0	3 / 14	AAA22522	400 400 / 10 0 40 0	14	
GC-300TLH	EDA8220	466×490 / 18.3×19.3	3 / 14	AAA22522	466×490 / 18.3×19.3	14	
GC-1000TLH	EDA8222	580×770 / 2.8×30.3	6 / 29	AAAA1512	580×770 / 22.8×30.3	29	
Model	Recorder			CO ₂ sensor			
iviodei		Cat. No.			Cat. No.		
GC-300TL		AAAA1501		AAAA1521			
GC-300TLH		AAAA1501		AAAA1521			
GC-1000TLH		AAAA1502		AAAA1521			

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	/ Autoclaves / Baths & Circulators / Desiccators / Furniture / Hoods / Incubators / Ovens / Pumps / Recirculating Coolers (Chillers) / Refrigerators & Freezers / Rotator
	/ Shakers / Heating & Cooling Blocks / Hotplates & Stirrers / Vortex mixers / Temperature Chambers / Temperature & Humidity Chambers / Electrophoresis Systems / Pipettes / Ultrasonic Cleaners / Plasticware & Others

