

Incubator



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| | <p>Satisfaction with the requirements of European regulations and guidelines.</p> | | <p>Real-time equipment monitoring and control system using mobile app.</p> | | <p>Registered safety patent based on JEIO TECH's proprietary technology.</p> |
| | <p>Eco-friendly product that has passed environmental impact assessment tests.</p> | | <p>More precise temperature control through 3-point temperature calibration.</p> | | <p>More precise temperature control through temperature calibration.</p> |
| | <p>Warning alarm in case of deviation of temperature control.</p> | | <p>Over temperature protection function.</p> | | <p>Possible to set end time or start time of device operation.</p> |
| | <p>Indicator to ascertain water level.</p> | | <p>Alarm if the water is low level.</p> | | <p>Control of temperature / humidity / rpm / time, etc. through dedicated program.</p> |
| | <p>PC communication via RS-232 / RS-485 / USB port.</p> | | <p>It memorizes the state of power failure and operates automatically when power is restored.</p> | | <p>2 year warranty Free A/S.</p> |

General Application

Organic bacteria, organic drugs, tissue cultures in the areas of antibody testing, clinical studies, hematology, microbiology, and others.

	Description	Temp. Range (°C/°F)	Max. Temp. Fluctuation (±°C/°F)	Volume (L / cu ft)	Model	Page
Incubator	General <ul style="list-style-type: none"> Stable temperature control through forced convection Airflow that maintains even temperature distribution 	Amb. +5 to 70 / Amb. +9 to 158	0.2 at 37°C / 0.6 at 98.6	60, 102, 151 / 2.1, 102, 151	IB-G	82
	Economy <ul style="list-style-type: none"> Stable product that is faithful to the basics Film heater-type incubator 	Amb. +3 to 60 / Amb. +5.4 to 140	±0.1 at 37°C / 0.18 at 98.6°F	65, 150, 205 / 2.3, 5.3, 7.2	IB-E	83
	Mini <ul style="list-style-type: none"> Compact design Downward door for convenient internal observation 	Amb. +5 to 65 / Amb. +9 to 149	0.5 at 37°C / 0.9 at 98.6°F	10 / 0.4	IM	84
	Multi <ul style="list-style-type: none"> Independent temperature control for each chamber 2-in-1, 4-in-1 models 	Amb. +5 to 70 / Amb. +9 to 158	±0.1 at 37°C / 0.18 at 98.6°F	120 / 4.2 (60 L / 2.1 cu ft x 2 chamber) 240 / 8.5 (60 L / 2.1 cu ft x 4 chamber)	IB-02G-2C IB-02G-4C	85
Low Temperature Incubator	Air-Jacket <ul style="list-style-type: none"> Minimization of culture medium dry-out Air-jacket type incubator 	4 to 70 / 39.2 to 158	0.2 at 37°C / 0.36 at 98.6°F	156, 254 / 5.5, 9.0	IL3-A	86
	General <ul style="list-style-type: none"> Optimized for BOD experiments Forced convection method 	0 to 80 / 32 to 176	±0.1 at 37°C / 0.18 at 98.6°F	150, 242 / 5.3, 8.5	IL3	86
	Personal <ul style="list-style-type: none"> Application of peltier cooling device system Structure minimizes noise/vibration 	5~40 / +41~104 (at 20°C / 68°F) 10~40 / +50~104 (at 25°C / 77°F) 15~40 / +59~104 (at 25°C / 77°F)	0.1 at 25°C / 0.18 at 77°F	14, 48 / 0.5, 1.7	ILP	88
	Multi <ul style="list-style-type: none"> Independent temperature control for each chamber 2-in-1, 4-in-1 models 	0 to 60 / 32 to 140	0.1 at 25°C / 0.18 at 77°F	300 / 10.6 (150 L / 5.3 cu ft x 2 chamber) 600 / 21.2 (150 L / 5.3 cu ft x 4 chamber)	IL-11-2C IL-11-4C	89
Growth Chamber	Growth Chamber <ul style="list-style-type: none"> 10-step program control Temperature/Humidity auto-tuning 	5~50 / 41~122	0.1 at 25°C / 0.18 at 77°F	300, 1000 / 10.6, 35.3	GC	90

※ The contents of the above and the contents of this catalog may differ depending on the specific model and conditions of use. For the information about the features and specifications that applying to each model, please check the information on the corresponding page of each model.

Incubator (Film Heater) Economy type



Stable incubator that is faithful to the basic functions

Structural Functional Features

- Economical model series that minimizes the purchase burden.
- An incubator in which the internal chamber is heated using a film heater on the outer wall of the space where the sample is placed.
- The sample space is independently kept clean and the structure protects against sources of contamination.
- External door can be opened and closed smoothly with magnetic packing to minimize sample impact.
- Stainless steel interior and shelves are excellent in terms of corrosion resistance and clean maintenance.

Use Convenience Features

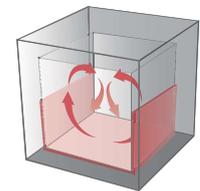
- Accurately controlling temperature based on temperature calibration / auto-tuning / microprocessor PID.
- The inner glass door is completely enclosed with silicone packing, making it easy to observe the sample without changing the temperature.
- Save and use 3 frequently used temperatures.
- Wait On/Off timer. (up to 99 hours 59 minutes)
- Provides notification/alarms when the door is open for an extended period of time.

Outstanding Safety

- Top-rated overheating protection system. (registration 10-0397583)
- Over temperature limit function.
- Mal-operation prevented by controller lock function.



IB-01E
with Wire Shelves 2ea (standard)



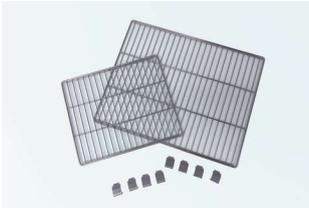
Specification

Model		IB-01E	IB-11E	IB-21E
Chamber volume (L / cu ft)		65 / 2.3	150 / 5.3	205 / 7.2
Temperature	Range (°C / °F)	Amb. +3 to 60 / Amb. +5.4 to 140	Amb. +3 to 60 / Amb. +5.4 to 140	Amb. +3 to 60 / Amb. +5.4 to 140
	Fluctuation at 37°C (±°C / °F)	0.2 / 0.36	0.3 / 0.54	0.1 / 0.18
	Variation at 37°C (±°C / °F)	0.6 / 1.08	0.8 / 1.44	1.1 / 1.98
	Heating time to 37°C (min.)	41	22	6
	Recovery time at 37°C (min.)	1	2	1
Dimension	Interior (W x D x H, mm / inch)	423 x 355 x 445 / 16.7 x 14 x 17.5	500 x 515 x 585 / 19.7 x 20.3 x 23	632 x 515 x 630 / 24.9 x 20.3 x 24.8
	Exterior (W x D x H, mm / inch)	533 x 475 x 725 / 21 x 18.7 x 28.5	595 x 630 x 865 / 23.5 x 24.8 x 34	740 x 630 x 910 / 29.1 x 24.8 x 35.8
	Net weight (Kg / lbs)	33 / 72.8	47 / 103.6	57 / 125.7
Shelves	Quantity of shelves (standard/max.)	2 / 5	2 / 7	2 / 7
	Max. Load per shelf (Kg / lbs)	30 / 66	30 / 66	25 / 55.1
Electrical requirements (230V, 50 / 60Hz, A)		1.1	2.2	2.4
Cat. No.		AAH26015K	AAH26025K	AAH26035K
Electrical requirements (120V, 60Hz, A)		2.1	4.2	4.6
Cat. No.		AAH26016U	AAH26026U	AAH26036U

※ Technical data (according to DIN 12880 before 2013)

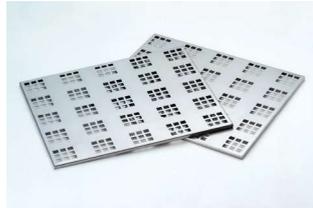
Accessories **Page 93** Wire Shelves, Perforated Shelves, Double-stacked Bracket

Accessories for Incubator



Wire Shelf

- Excellent corrosion resistance as made of stainless steel.
- Excellent air permeability and uniform temperature distribution.



Perforated Shelf

- Porous structure made of stainless steel.
- Solid structure makes it suitable for high load samples.



Recorder (Dot)

- 6-channel graph-type temperature recorder.
- Adjustable recording range, speed, etc.



CO₂ Sensor

- Dedicated sensor for CO₂ measurement
- Formation of optimal photosynthetic conditions

Model	Wire Shelves		Perforated Shelves		Recorder	CO ₂ Sensor
	Cat. No.	Quantity of shelves (standard/max.)	Cat. No.	Quantity of shelves (max.)	Cat. No.	Cat. No.
IB-05G	00EDA0008136	2 / 4	AAA12531	4	-	-
IB-15G	00EDA0008135	2 / 6	AAA12532	6	-	-
IB-25G	00EDA0008137	2 / 7	AAA12535	7	-	-
IM-10	00EDA0008244	2 / 4	AAA24511	4	-	-
IB-01E	00EDA0008136	2 / 5	AAA12531	5	-	-
IB-11E	00EDA0008220	2 / 7	AAA22522	7	-	-
IB-21E	00EDA0008219	2 / 7	AAA22521	7	-	-
IB-02G-2C/4C ¹⁾	00EDA0008136	2 / 4	AAA12531	4	-	-
ILP-02	00EDA0008223	1 / 6	AAA24501	6	-	-
ILP-12	00EDA0008221	2 / 13	AAA24502	13	-	-
IL3-15/15A	00EDA0008219	2 / 6	AAA22521	6	-	-
IL3-25/25A	00EDA0008220	3 / 13	AAA22522	13	-	-
IL-11-2C/4C ¹⁾	00EDA0008219	2 / 12	AAA12532	12	-	-
GC-300TL	00EDA0008220	3 / 14	AAA22522	14	AAAA1501	AAAA1521
GC-300TLH	00EDA0008220	3 / 14	AAA22522	14	AAAA1501	AAAA1521
GC-1000TLH	00EDA0008222	6 / 29	AAAA1512	29	AAAA1502	AAAA1521

1) Standard for each chamber

LC GreenBox

- Monitor and control the operation status of the product in real time via mobile app with an internet connection.

Model	Description	Dimension (mm / inch)	Cat. No.
IL3 / ILP	Mobile Monitoring System	156 x 94 x 34 / 6.1 x 3.7 x 1.3	AAAQ1011



Double-stacked bracket

- Incubator bracket for double stacked.

Model	Cat. No.	Model	Cat. No.
IB-05G	AAA21521	IB-01E	AAA26501
IB-15G	AAA21522	IB-11E	AAA26502
IB-25G	AAA21523	IB-21E	AAA26503