

**EYELA**

## Illuminated Incubator FLI-2000A/H/T/HT

(A=Standard, H=Humidity, T=Lighting, HT=Humidity and Lighting)

\*Controls temperature, lighting, humidity and CO<sub>2</sub> Concentration

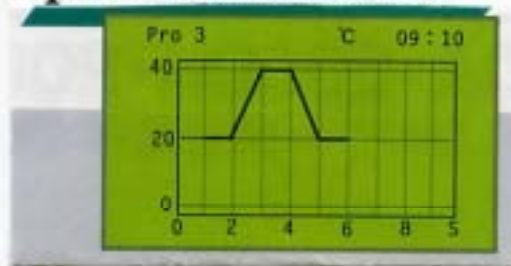
\*Ideal for plant/cell culture, insect cultivation and environmental tests.



TOKYO RIKAKIKAI CO.,LTD.

Equipped with three operation modes.

Graphic Mode



Maintenance Mode

The maintenance mode display shows a list of components and their run times. The display is titled 'MAINTENANCE MODE (1)'. The components and their run times are:

Component	Run Time
1. Fl. Light	50h
2. UV. Light	40h
3. HI. Light	20h
4. C. Filter	200 h
5. Humidifier	5h
6. Humi. Water	10m
7. TotalRunTime	180h

Total Setting Display Mode

The total setting display mode shows current and set values for temperature, light, humidity, and total time. The display is titled 'SET MEA 09:10'. The values are:

Parameter	Set Value	Measured Value
Temp	30.0	25.0°C
Light	3 L	
Humi	70.0	40.0%RH
Total Time		000/00:00

FLI is ideal for plant/cell culture, insect cultivation and environmental test

Air Curtain Structure, PAT.P, avoids changing temperature and humidity when you open the inner door.



Air flow amount can be controllable depending on your purpose.

Lighting is inverter controlled, with which you can select appropriate program for each plants.

Descending Air Current Convection for making closer natural environment.

Recorder output, Alarming output and RS-232C are installed as standard equipment for validation.

Plentiful safety functions and anti bacteria stainless/lighting.

Name	Illuminated Incubator FLI-2000A/H/T/HT			
Model	FLI-2000A	FLI-2000H	FLI-2000T	FLI-2000HT
Code No.	204840	204850	204860	204870
Convection	Descending Air Current Convection			
Temp. range	0~50°C(Light Off) 10~50°C(Light On) 15~50°C(w/Upper Light)			
	15~50°C(high illumination w/lower light unit)			
Accuracy (temp. distribution.)	Mode 1 ±0.5°C~ Mode 2 ±1.5°C~ (5.0°C)			
Humidity range/accuracy	50~90%RH· ±5%~		50~90%RH· ±5%~	
Distribution	Mode 1: 15% Mode 2 : 10%		Mode 1: 15% Mode 2 : 10%	
Illumination Control Range	0~approx.25000lx(295 μ mo1) 6 Step Control		0, 500~approx.25000lx(295 μ mo1) Single Step Control (per 10lx)· ±100lx	
	Option: High performance type 0~50000lx(610 μ mo			
	Option: Upper type 0~35000xl 7 Step		Option: Lower type 0~35000lx	
	Option: Lower type 0~40000lx			
Temp. Control	Mode 1 : Heater & P.I.D. Control Mode 2 : Cooler & On/Off Control			
Humidity Control	P.I.D.		P.I.D.	
Settings & Display	Sheet Key Input·Digital Display·LCD screen·minimum0.1°C/0.1%RH(/10lxT·HT) Total time (1 to 999days) display in one screen/graphic display			
Defroster Program	1. Auto Control 2. Manual Control 3. Timer Control			
Program	1. Auto Start Program 2. Auto Stop program 3. User Program 4. Pattern in 10 Segments 4. 24 Hours Program 3 Pattern in 10 Segments 5. Auto Start & User program 1 pattern 6. Consolidated Program 1 Pattern in Max. 10 Segments, 1 min~99days/ 1 Segment (24 hours program:1~23 hours) Program Repeat (1~999 or ∞) Temp & Humidity Control, Step Control, Ramp Control, illumination step control			
Input & Output	Recorder output terminal: measuring temp. 1°C/1mV, measuring humidity 1%/1mV, measuring illumination 1000lx/1mV(T, HT) Accuracy ±2%F.S., measuring CO2 concentration 0.01%/1mV(C Type), accuracy ±2%F.S., measuring range 0~3%, RS-232C connector terminal, alarming terminal			
Function	Display correction in Ttemp.&humidity and illumination, sterilamp and maintenance mode			
Safety Function	electric leakage·overcurrent stopper, over-heating stopper( +30~ +70°C changeable), over-cooling preventer(-20~ +20°C) self-diagnostic mode for air condition unit			
		draught, humidity, water, quality alarming	illumination abnormal	draught, humidity, illumination and water quality alarming
illumination	Fluorescent lamp 40W × 15			
Refrigerant	Cooler 400W·R134a			
Inner Dimension (mm) Capacity/ Decoration/Rack	520W × 520D × 1085H	approx.290L antibacterial stainless		3 Pieces
Cable Hole	2 holes in both sides			
Ambient Temp. Range	5~35°C			
Overall Dimension	720(750)W × 850(914)D × 1810H (2110H when in use with upper light unit.)			
Weight	250KG	260KG	250KG	260KG
Power Source	25A·AC100V 50/60Hz			

## Options:

Panel LED( Red or Blue)

Stick LED( Red or Blue)

Mini Panel LED( Red or Blue)

Water Suppling Unit (Code 139100)

Recorder (Code 172180)

Co2 Concentration Control Unit (Code 208020 for A, 208030 for H, 208040 for T 208050 for HT)

RS-232C Communication Unit (Code 167370)

Rack for Poly Tank (Code 208100)



## Options for Lighting Environment:

High-performance Unit (Code 208060 for 50Hz, 208061 for 60Hz)

True-light Fluorescent( Code 208150)

Sensor for illumination ( Code 208110)

Sensor for light quantum ( Code 208120)

Rack(Code 208130)/Bat Rack(Code 208140)

Upper Illumination Unit (Code 208070 for A/H, 208080 for T/HT)

Lower Illumination Unit ( Code 208090)

