

Environmental Chamber KCL-2000A・2000W

Temperature and humidity control for environmental testing and cultivation.
Gradient temperature control.



Features

- Precise environmental testing condition is feasible at -15~85°C, 25~98% together with ramp temperature control.
- Recorder signal outlet, Alarm signal outlet and RS-232 communication terminal are equipped as standard.
- Though compact and slim design, large chamber capacity of 140L is realized.
- Rack with castor is prepared as standard.
- KCL-2000W comes with observation window attached with a heater to prevent frost.
- Software to manipulate trend data of different parameter is provided.

Specifications

Product Name	Environmental Chamber	
	KCL-2000A	KCL-2000W
Model	204580	204590
Cat. No.	204580	204590
Air circulation	Forced air convection	
Temp. control range	-15~85°C	
Temp. control accuracy	±0.5°C	
Humidity control range	25~98% RH	
Humidity control accuracy	±0.3% RH	
External input/output	RS-232C communication terminal	
Dehumidification	Normal: Microprocessor automatic control (Interval defrost) Forced defumidification (Manual; Auto/manual stop)	
Heater	Heating: 650W	Humidification 200Wx2
Refrigerator・coolant	Air cooling 200W R134a	
Chamber dimensions(mm)	500W x 400D x 700H	
Chamber capacity	140L	
Chamber material	SUS 304	
Shelf	2 pcs	
Shelf pitch & step	40mm 10 steps	
Overall dimensions(mm)	600W x 752D x 1695H(with wagon)	1285H(w/o wagon)
Weight	145kg	153kg
Power source	1.5kVA AC100V	

Wagon with castor (standard)



Overheat protector



Alarm display

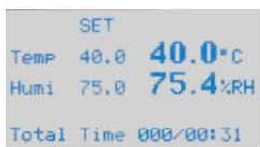


Water level indicator



Easy to understand display

■Set mode



Set temp.
Measured temp.
Total time

■Graphic mode



Programm process can be confirmed by graphic display.

■Maintenance mode



Cleaning and exchange requirement can be confirmed at a glance.

Point ! Supports validation work



Recorder signal outlet, Alarm signal outlet and RS-232 communication terminal are provided as standard.

Optional Accessories for Incubators

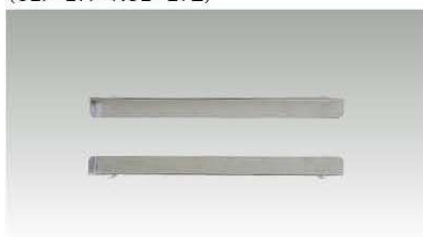
■ Shelf (SLI • LTI • KCL • LTE • FLI • LST)



LTI-1200E • LTE

Applicable model	Cat. No.
SLI-220	198000
SLI-400 • 700 • 1200	197290
LTI-400 • 700E, KCL	197540
LTE-500 • 1000, LTI-1200E	214530
FLI-2010, LST-2010	208130
KCL-2000, LTI-400 • 700E	241630

■ Shelf support (SLI • LTI • KCL • LTE)



Applicable model	Cat. No.
SLI-400 • 700 • 1200	197280
LTI-400 • 700E, KCL	204980
LTE-500 • 1000	261790
LTI-1200E	210450

■ Rack (SLI • LTI • LTE)



Applicable model	Model	Cat. No.
SLI-400	HSS-40CA	198000
SLI-700	HSS-70CA	197290
LTI-400 • 700E	HSS-43C	197540
LTE-500	HSS-50CA	214530

■ Recorder (LTI • SLI • KCL • FLI • LST)



Applicable model	Model	Cat. No.
SLI-400 • 700 • 1200	μR-10000	217060
LTI		
KCL-2000, FLI-2010		
LST-2010		

■ Recorder signal outlet cable

Applicable model	Cat. No.
SLI-400 • 700 • 1200	147570
LTI	
KCL-2000	

■ Cable hole septum (LTE • LTI • SLI • KCL)

Applicable model	Cat. No.
LTI	111690
LTI, SLI, KCL	170240

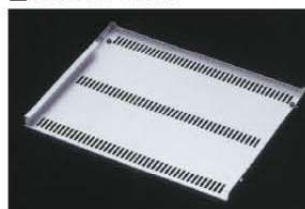
■ Vacuum valve connection unit (KCL-2000A • W) Cat. No. 190860

■ Related product Stirrer to be placed in incubator



Incubator	Stirrer	MMS-	
		110•210•310•410•510	3010•4010•5010
SLI	1 unit	—	—
LTI • LTE	1 unit	—	—
FLI	2 unit	—	2 units
MTI	1 unit	—	—

■ Shelf for stirrer



- Necessary when placing stirrer in SLI-400 ~ 1200, LTE-500 • 1000, LTI.
- Max. stirring speed 150/min.
- Max. load for 400: 500mL flask x 4
Max. load for 700 • 1200:
1L flask x 2 or 3L flask x 1

Applicable model	Model	Cat. No.
SLI-400 • 700 • 1200	HIS-1	197270
LTI-400E • 700E	HIS-2	197560
LTI-1200E	HIS-3	210440
LTE-500 • 1000	HIS-4	261340