

## Dry Heat Sterilizers | Program Operations

## SK401/601/801/811

Made in  
Japan

Operating temp. range	RT+5~260°C (SK401/601)	RT+10~210°C (SK801/811)	Temp. control accuracy	±1°C (at 260°C) (SK401/601)	±1°C (at 210°C) (SK801/811)	Internal capacity	99L (SK401)	162L (SK601)	300L (SK801/811)
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## Dry-heat sterilization with independent overheat protection.

## ■ Operation and function

- Programmable operation.
- High-precision controller with improved display visibility and operability.
- Standard features include temperature offset calibration, key lock, power-recovery mode, accumulated power-on/operating time, calendar timer, accumulated power-consumption monitoring, total CO<sub>2</sub> emissions, heater output display, and the ability to save and recall operator settings.
- Up to 99 steps and 99 patterns with repeat operation.
- Easy data collection via the cable port.

## ■ Safety features

- Standard safety features include self-diagnostic functions, independent overheat protection, and an earth leakage breaker (ELCB).



## ■ Specifications

Model	SK401	SK601	SK801	SK811
Circulation method	Natural convection		Forced convection	
Temp. setting range	Room temp. +5~260°C		Room temp. +10~210°C	
Temp. control accuracy	±1°C (at 260°C)		±1°C (at 210°C)	
Temp. fluctuation	±1.5°C (at 260°C)		±1°C (at 210°C)	
Temp. distribution accuracy	±5°C (at 260°C)		±3.5°C (at 210°C)	
Temp. rising time	~60min.			
Interior / Exterior material	Stainless Steel / Chrome free electrogalvanized carbon steel sheet coated with chemical-proof baked-on finish			
Insulation Material	Glass wool			
Heater	SUS 1.2kW	SUS 1.36kW	SUS 2.4kW	
Sensor	K type Thermocouple			
Fan type / Fan motor	-		Sirocco Fan / Condenser type motor 30W	
Cable port	I.D. 33mm (right side)			
Exhaust port	I.D. 33mm x 2 (on top)		I.D. 33mm x 2 (back)	
Temperature control	PID control by microprocessor			
Temperature display	Temp. display: Green 4-digit LED Digital Display (increment: 1°C) Setting temp. display: Orange 5-digit LED Digital Display (increment: 1°C)			
Timer	0 min~99 hrs 59 min (increment: 1 min. or 1 hr.)			
Heater control	Triac with Zero-cross control			
Operation function	Fixed temperature, auto start, auto stop, quick auto stop, program (99 steps, 99 patterns, repeat operation function)			
Additional functions	Power on and operation time accumulation function (up to 65535 hours), calendar time (24 hours), calibration offset, accumulated power consumption monitoring, total CO <sub>2</sub> emission and heater output, power recovery mode, save and access operator setting information, key lock			
Safety device	Self-diagnostic functions (sensor failure, SSR short circuit, heater failure, main relay contact failure, automatic overheat prevention), earth leakage breaker, independent overheat prevention device			
Internal dimensions (WxDxH)	450 x 490 x 450mm	600 x 540 x 500mm	600 x 500 x 1000mm	
External dimensions (WxDxH)	560 x 600 x 820mm	710 x 650 x 870mm	710 x 650 x 1640mm	
Internal capacity	99L	162L	300L	
Shelf plate with standard load	~15kg/pc			
Shelf rest step number / pitch	11 steps / 30mm	13 steps / 30mm	29 steps / 30mm	
Power supply*	AC110/115/120/220/230/240V		AC110/115/120V	AC220/230/240V
Weight	~50kg	~62kg	~108kg	
Shelf plate / bracket	Stainless steel punched metal			
	2 pcs. / 4 pcs.		4 pcs. / 8 pcs.	

\* Voltage modifications other than the listed specifications are also available. Please contact us for details.

1 Sterilizers

2 Granulation and Spray Dryers

3 Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Stirrers &amp; Shakers

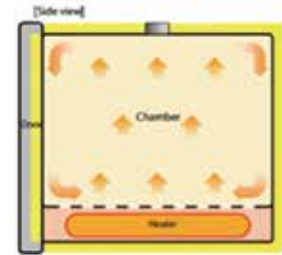
12 Options



Control panel



Method



Cable port



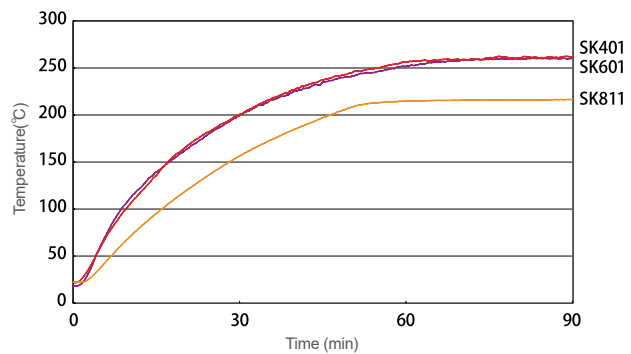
Shelf and bracket set



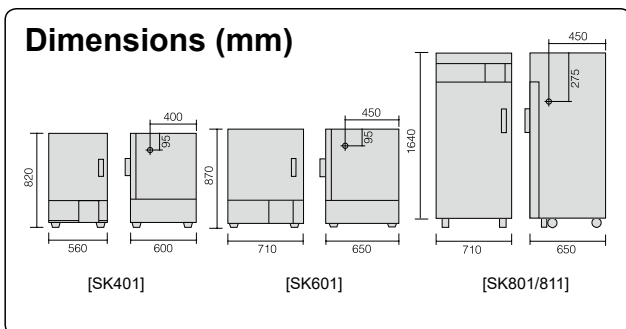
Optional items

Description	Product Code
<b>Stand</b>	
For SK401/601	OA194 281596
For SK401	OA117 281355
For SK601	OA118 281356
<b>Stacking kit</b>	
For SK401	OA119 281357
For SK601	OA120 281358
<b>Shelf and bracket set</b>	
For SK401	ODN20 212246
For SK601/801/811	ODN22 212266
<b>Seismic mat</b>	296902
<b>External communication adapter set</b>	OIN90 211880
*External communication terminal	ODS16 212981
*Temperature output terminal	ODS18 212982
*External alarm output terminal	ODS22 212983
*Timeup output terminal	ODS24 212984
*Operation signal output terminal	ODS26 212985
*Event output terminal	ODS28 212986

Temperature rising curve



\*Please specify when ordering main unit.

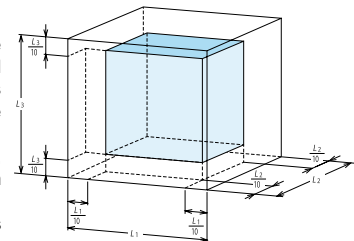


9 Points of distribution reference data (SK811, no load, setting temp. 180°C)

	Top right back	Top left back	Top right front	Top left front	Bottom right back	Bottom left back	Bottom right front	Bottom left front	Center
SK811	186.6	189.2	186.2	188.8	184.9	186.3	183.0	183.5	186.9

Conditions

- 1.9 measurement points are taken from the effective internal capacity down-scale by 10% (as the image on the right) and the center
2. Room Temp. 23 °C , AC115V, 50Hz, stable temperature when temp. setting at 180°C
3. No load, with 2 pcs of shelves



**Attention** ● Never use in flammable or explosive gas atmosphere.  
● Never use explosive or flammable material.

● Caution: High temperature components.

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