

CLIMATIC CHAMBER



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Accredited Laboratory

JSR

[주] 제이에스리서치
JS Research Inc.

Climatic CHAMBER

TEMPERATURE & HUMIDITY Environmental Control

JSCH-Series Table Top



Temperature Range
- 20 °C ~ 120 °C



Humidity Range
40 % ~ 95 % RH



Program Controller
LCD Display
10 Patterns 100 Segments



[OPTION] RS-232C or 485
Serial Interface
Multi-Drop up to 31 Instruments

JSRH-Series Premium Model



Temperature Range
- 40 °C ~ 150 °C



Humidity Range
35 % ~ 98 % RH



Touch Screen
5.6" Color TFT Display
120 Patterns 1200 Segments



RS-232C or 485 Serial Interface
Multi-Drop up to 31 Instruments



Data Storage
SD or MMC Card



Temp. & Humidity
Trend Data Recording

MODEL	CAPACITY	TEMPERATURE	HUMIDITY
JSCH-070CP	70 L	10 °C ~ 80 °C	60 ~ 90 % RH
JSCH-100CP	100 L		
JSCH-070CPL	70 L	-20 °C ~ 120 °C	40 ~ 95 % RH
JSCH-100CPL	100 L		

MODEL	CAPACITY	TEMPERATURE	HUMIDITY
JSRH-150CP	150 L	-20 °C ~ 150 °C	35 ~ 98 % RH
JSRH-250CP	250 L		
JSRH-500CP	500 L		
JSRH-800CP	800 L		
JSRH-150CPL	150 L	-40 °C ~ 150 °C	35 ~ 98 % RH
JSRH-250CPL	250 L		
JSRH-500CPL	500 L		
JSRH-800CPL	800 L		

JSTH-Series Floor Standing



Temperature Range
- 20 °C ~ 120 °C



Humidity Range
50 % ~ 95 % RH



Program Controller
LCD Display
10 Patterns 100 Segments



[OPTION] RS-232C or 485
Serial Interface
Multi-Drop up to 31 Instruments

Battery Test Chamber Drug Stability Chamber



Temperature Range
+0 °C ~ 70 °C



Humidity Range
30 % ~ 85 % RH



Constant Temperature
Controller



Touch Screen
5.6" Color TFT Display
120 Patterns 1200 Segments



RS-232C or 485 Serial Interface
Multi-Drop up to 31 Instruments



Temp. & Humidity
Trend Data Recording

MODEL	CAPACITY	TEMPERATURE	HUMIDITY
JSTH-150CP	150 L	10 °C ~ 80 °C	60 ~ 90 % RH
JSTH-250CP	250 L		
JSTH-500CP	500 L		
JSTH-800CP	800 L		
JSTH-150CPL	150 L	-20 °C ~ 120 °C	50 ~ 95 % RH
JSTH-250CPL	250 L		
JSTH-500CPL	500 L		
JSTH-800CPL	800 L		

MODEL	CAPACITY	TEMPERATURE	HUMIDITY
JSBS-150C	150 L	+0 °C ~ 70 °C	-
JSBS-250C	250 L		
JSBS-420C	420 L		
JSBS-520C	552 L		
JSDS-300C	300 L	+10 °C ~ 70 °C	30 ~ 85 % RH
JSDS-420C	420 L		
JSDS-960C	964 L		

Convenience

Optional Accessories

▶ Access Port



- ▶ Φ 50 mm with screw cap to connect cables in the chamber
- ▶ Φ 50 mm의 액세스 포트 편리하게 챔버 내부로 각종 케이블을 연결

▶ Chart Recorder



- ▶ Temperature and humidity trend monitoring and data storage
- ▶ 온습도 데이터 기록과 보관을 위한 6채널 차트 레코더

▶ Easy Maintenance



- ▶ Easy to access maintenance system
- ▶ 유지보수를 위한 편리한 점검구

▶ Chamber Light



- ▶ Helps convenient monitoring of chamber during operation (JSRH-models only)
- ▶ 작동 중 챔버의 내부를 손쉽게 관찰 하기 위한 조명등 (JSRH-모델)

▶ Water Tank



- ▶ Built-in water tank for humidifier (JSRH-models only)
- ▶ 가습을 위한 내장형 급수탱크 (JSRH-모델)

▶ Glass Window Heater



- ▶ Removes fog and frost to keep clear view (JSRH-models only)
- ▶ 김서림을 방지하는 열선 투시창 (JSRH-모델)

Climatic CHAMBER

TEMPERATURE & HUMIDITY

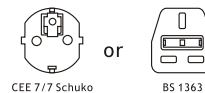
JSCH-Table Top Series



Specifications

Temp. Range	- 20 °C ~ 120 °C (+10 °C ~ 80 °C)
Accuracy	± 0.2 °C at 20°C (JSCH-070)
Uniformity	± 0.6 °C at 20°C (JSCH-070)
Humidity Range	40 % ~ 95 % RH
Accuracy	± 0.3 % at 60 % (JSCH-070)
Uniformity	± 1.0 % at 60 % (JSCH-070)
Control	Graphic LCD Programmable Control 10 Patterns 100 Segments RS-232C or RS-485 Multi-Drop [OPTION]
Sensor	Temperature Class A Pt-100 Ω Sensor Humidity Electronic Sensor
Safety	Over-Temperature Cut-Off Over Current Cut-Off
Material	Body : Epoxy Powder Coated Steel Chamber : Stainless Steel 304
Electric	220 ± 10% VAC 50/60Hz 1-Phase

Plug config.



CEE 7/7 Schuko

BS 1363



Temp. - 20 °C ~ 120 °C



Humidity 40 % ~ 95 % RH



Program Controller
10 Patterns 100 Segments



RS-232C or 485 Serial Interface
Multi-Drop up to 9 Instruments

Control Accuracy

- ▶ Graphic LCD Programmable PID Controller
- ▶ 10 Patterns memory 100 Segments 999 times repeatable
- ▶ RS-232C or RS-485 Multi-Drop serial communication up to 9 instruments and PC software [OPTION]
- ▶ Maximum 6 zone PID group for different temperature and humidity range for better control accuracy
- ▶ Temperature calibration and auto-tuning function
- ▶ Class A Pt-100 Ω sensor and electronic humidity sensor

- ▶ 해상도 ±0.1 °C, 0.1% RH의 정밀한 PID 컨트롤러
- ▶ 10패턴 저장 메모리 100세그먼트, 999회 또는무한 반복운전
- ▶ RS-232C, RS-485 다중 통신 지원으로 9대 까지 PC 제어 지원
- ▶ 작동되는 온습도 구간별로 6개의 zone PID 제어
- ▶ 온도보정, 오토튜닝 기능 내장
- ▶ Class A Pt-100 Ω 온도 센서, 전자습도센서

Performance

- ▶ Ideal for ambient range temperature and humidity test
- ▶ Optimized control system for ambient conditions allows long term stability and reliability test at constant temperature and humidity condition
- ▶ 좁은 온도와 습도 범위에서 최상의 제어 능력을 발휘하도록 설계되어 일반적인 조건의 테스트에 적합
- ▶ 최적화된 온습도 제어능력으로 고정된 온도와 습도에서 장기간의 안정성, 신뢰성 테스트에 적합

Convenience

- ▶ Outer door with double gasket and compression door lock
- ▶ Φ 50mm access port for easy connection of cables
- ▶ Built-in water tank for humidifier
- ▶ 이중 도어패킹과 밀착력이 뛰어난 원터치 압착 도어 잠금 장치
- ▶ Φ 50 mm의 액세스 포트는 편리하게 챔버 내부로 케이블 연결
- ▶ 전면에 가습용 물통을 내장하여 물 공급 및 보충이 편리함

Safety

- ▶ DUAL OVER TEMP. CUT-OFF
- ▶ MAX TEMP CUT-OFF
- ▶ LOW WATER LEVEL ALARM
- ▶ OVER CURRENT CUT-OFF : Electrical Leakage Breaker

Accessories

Art No.	Descriptions
	Perforated Shelf, Stainless Steel 304
PHS-A21	for JSCH-070 W370 x D330 mm
PHS-A22	for JSCH-100 W470 x D345 mm

Ordering Information

	JSCH-070CP	JSCH-100CP
Control Range	10 °C ~ 80 °C (without humidity)	60 % - 90 % RH
	JSCH-070CPL	JSCH-100CPL
Control Range	- 20 °C ~ 120 °C (without humidity)	40 % - 95 % RH
Chamber Volume (Capacity)	70 L	100 L
Temperature Accuracy at 20.0°C	± 0.2 °C	± 0.3 °C
Uniformity at 20.0°C	± 0.6 °C	± 0.8 °C
Humidity Accuracy at 60.0 %	± 0.3 %	± 0.4 %
Uniformity at 60.0 %	± 1.0 %	± 1.2 %
Dimensions Inner	400 x 350 x 500	500 x 365 x 550
W x D x H mm Outer	650 x 885 x 1070	750 x 900 x 1120
No. of Shelves / Maximum No.	2 / 16	3 / 18
Cable Port	Φ 50 mm	
Water Supply	Built-in Water Tank	
Heater Capacity	1.6 kW	2.0 kW
Refrigeration System	CFC Free Air Cooled Compressor	
Power Rating	10.8 Amp	12.7 Amp
Power Plug	CEE 7/7 Schuko	CEE 7/7 Schuko