



## Rapid Temperature Change and Climate Test Chambers

Global Leading Integrated Solution Provider for  
Environmental and Climatic Simulation Test

# Rapid Temperature Change and Climate Test Chambers

## Features

- Homogenous temperature linear changing rates: 5℃/min, 10℃/min, 15℃/min, 20℃/min.
- Dry air blowing system prevents specimen's surfaces from dewing in rapid temperature change.
- Fashionable design of modular construction.
- 7" colour touch screen display and 32 bit control system; interface Ethernet/USB.
- 4 load power outlets for specimens with programmable control for protection.
- Special air circulation system inside ensures testing accuracy. (Patented)
- Design with independent sensors to prevent specimens from damages caused by dewing, overheat, breezeless and smog.
- Special anti-condensation structures design to avoid misjudgment and improve testing accuracy in climate testing. (Patented) (ECS Series)
- Optional network video monitoring and data synchronization.
- Optional APP mobility management.
- Automatic water supply with ultrapure filter devices (optional) ; water shortage reminder function. (ECS Series)
- Strong control abilities of extreme-low humidity range 20℃/10% R.H.. (ECS Series)
- Environment-friendly refrigerating control technology : energy saving and rapid heating/cooling rate.
- Unique operation mode: make testing area's temperature back to room temperature after tests are finished.
- Automatic reminder of equipment maintenance plans and software of recording malfunction.
- Optional remote-assist service function and teaching CDs.

## Specifications

Model (5℃/min)	ETS/ECS 4018-5	ETS/ECS 7018-5	ETS/ECS 4034-5	ETS/ECS 7034-5	ETS/ECS 4060-5	ETS/ECS 7060-5	ETS/ECS 4100-5	ETS/ECS 7100-5	ETS/ECS 4150-5	ETS/ECS 7150-5
Test Space Volume (L)	190		335		600		990		1540	
Temperature Test Parameters:										
Temp. Range (℃)	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180
Temp. Constancy (℃)	±0.1~±0.5									
Temp. Homogeneity (℃)	±0.5~±2.0									
Heating/Cooling down Rate(℃/min)	7.0/8.0	7.5/7.5	6.5/6.8	6.8/6.7	6.0/6.5	6.0/6.0	6.1/6.7	6.1/6.0	6.0/6.3	6.0/5.0
Test Space Dimension (mm)	580W×450D×750H		580W×765D×750H		800W×800D×950H		1100W×950D×950H		1100W×1475D×950H	

Model (10℃/min)	ETS/ECS 4034-10	ETS/ECS 7034-10	ETS/ECS 4060-10	ETS/ECS 7060-10	ETS/ECS 4100-10	ETS/ECS 7100-10	ETS/ECS 4130-10	ETS/ECS 7130-10
Model (15℃/min)	ETS/ECS 4034-15	ETS/ECS 7034-15	ETS/ECS 4060-15	ETS/ECS 7060-15	ETS/ECS 4100-15	ETS/ECS 7100-15	ETS/ECS 4130-15	ETS/ECS 7130-15

Temp. Test Parameters:									
Temp. Range (℃)	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180	-70/+180
Temp. Constancy (℃)	±0.3~±0.8								
Temp. Homogeneity (℃)	±0.5~±2.0								
Heating/Cooling Rate (℃/min)	10.0/12.5	10.0/14.5	10.0/12.5	10.0/11.0	12.0/12.0	12.0/12.0	12.0/11.5	11.0/10.5	
Heating/Cooling Rate (℃/min)	16.0/16.0	17.0/18.0	16.0/18.0	17.0/15.0	16.0/18.0	16.0/15.5	16.0/17.5	16.0/14.5	
Test Space Dimension (mm)	580W×765D×750H		800W×800D×950H		1100W×950D×950H		1100W×1300D×950H		

Climate Test Parameters : (ECS Series)									
Temp. Range (℃)	+10~+95								
Humid. Range (%RH)	10~95								
Dew Point Temp. Rate (℃)	-3~+94								
Humid. Constancy (%RH)	±1.0~±3.0								
Temp. Constancy (℃)	±0.1~±0.5								
Temp. Homogeneity (℃)	±0.5~±2.0								
Power	AC380V± 10%, 50HZ, 3/N/PE								
Cooling Methods	Water - Cooled								

## Options

- Independent sensors for specimen protection (N E60519-2.1993)
- 1 Entry port Φ100mm Automatic water supply device
- Nitrogen gas auxiliary device
- Spare parts package
- E-management and cyber-software
- Video monitor system
- APP for mobility management

## Standard Version

- 3 Power outlets for test specimen
- Left and right entry ports Φ50mm
- 2 Silicon stoppers for entry ports
- 2 Stainless steel shelves
- Drier filter for compressing air
- 1 Water tank with 20L for ECS series
- 1 Water filter for ECS series

Envsin reserves the interpretation right to the products, which are subject to changing without notice!

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