

Temperature and Climate Test Chambers

Global Leading Integrated Solution Provider for Environmental and Climatic Simulation Test

Features

- 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.
- Optional APP mobility management.
- 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.
- Optional network video monitoring and data synchronization.
- Special anti-condensation structures to avoid misjudgment and improve testing accuracy during climate testing. (Patented)
- Automatic water supply with ultrapure filter devices (optional) ; water shortage reminder function.
- Strong control abilities of extreme-low humidity range 20℃/10% R.H..
- 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	EC4018	EC7018	EC4034	EC7034	EC4060	EC7060	EC4100	EC7100	EC4150	EC7150
Test Space Volume (L)	190		335		600		990		1540	
Temperature Test Parameters:										
Temp. Range (℃)	-42/+180	-72/+180	-42/+180	-72/+180	-45/+180	-72/+180	-45/+180	-73/+180	-42/+180	-73/+180
Temp. Constancy (℃)	±0.1-±0.5									
Temp. Homogeneity (℃)	±0.5-±2.0									
Heating Rate (℃/min)	4.0	4.0	3.2	3.0	4.0	4.0	4.0	4.0	3.5	3.5
Cooling Rate (℃/min)	4.0	3.0	4.0	3.0	3.0	2.5	3.0	2.5	2.5	2.3
Temp. Max. Thermal Compensation (W)	2800	1500	2800	1500	2500	2500	4500	3000	4200	3000
Climate Test Parameters:										
Dewpoint Temp. Range (℃)	+4(-3)-+94									
Humid. Range (%RH)	10-98									
Humid. Constancy (%RH)	±1.0-±3.0									
Temp. Constancy (℃)	±0.1-±0.3									
Temp. Homogeneity (℃)	±0.5-±2.0									
Temp and Humid Max. Thermal Compensation (W)	400	400	400	400	500	500	500	500	500	500
Test Space Dimension (mm)	580W×450D×750H		580W×765D×750H		800W×800D×950H		1100W×950D×950H		1100W×1470D×950H	
External Dimension (mm)	870W×1550D×1800H		870W×1860D×1800H		1090W×1960D×1995H		1390W×2155D×1995H		1390W×2680D×1995H	
Power	AC380V±10%, 50HZ, 3/N/PE									
Cooling Methods	Air-Cooled									

Options

- Independent sensors for specimen protection (NE60519-2.1993)
- 1 Entry port Φ100mm
- Drier filter for compressing air
- Automatic water supply device
- Nitrogen gas auxiliary device
- Water-Cooled unit
- Spare parts package
- E-management and cybersoftware
- Video monitor system
- APP for mobility management

Standard Version

- 3 Power outlets for specimens
- Left and right entry ports Φ50mm
- Silicon stoppers for entry ports
- 2 Stainless steel shelves
- 1 Water tank with 20L
- 1 Water filter