

ENVSIN INSTRUMENT EQUIPEMNT CO., LTD

Factory Address: Gongye 2nd Road , Langzhou Industry Area, Changping Town, Dongguan City, Guangdong, China
Headquarter: 1412 Hecheng Century Building, Wuhe Road, Bantian District, Shenzhen, China 518129
Contact: Tina Jiang **Email:** Tina@envsin.com **Web:** www.envsin.com
Tel: 0755-84571566 **Fax:** 0755-84571499 **Ph.:** +86 151 1882 7823

Envsin is a provider of Integrated Testing Solution Involving Humidity, Temperature, Altitude, Light, Vibration, Mechanics, Dustproof and Waterproof. The products manufactured are widely applied in areas of aerospace, electronics, automotive, pharmacy and chemistry industry, machinery equipment, defense, etc. At present Envsin is a nominated supplier for Foxconn, Cisco, ABB, Apple Inc., Dupont, etc.

We are searching for distributors or agents around the world. If you are interested to our products or in need of special industry solution, please contact us for more details.



Product Catalogue

1. Temperature Test Chambers
2. Temperature and Climate Test Chambers
3. Walk-In Temperature and Climate Test Chambers
4. Temperature Shock Test Chambers -2 zones
5. Temperature Shock Test Chambers -3 zones
6. Pharmaceutical stability Test Chambers and Rooms
7. High Temperature Aging Chambers and Rooms
8. Robot Intelligent Climate Test Chambers
9. Vibration Combined with Temperature and Climate Test Chambers
10. Temperature/Humidity/Altitude/Light/Ventilation Weathering Resistance Combined Test Chambers
11. Rapid Temperature Change and Climate Test Chambers
12. Spray and Rain Test Chambers
13. Sand Dust Test Chamber Series
14. Thermal Shock Test Chambers
15. Liquid to Liquid Thermal Shock Test Chambers
16. Environmental Stress Screening Test Chambers
17. Material Tensile Tester Series (Brochure available when required)

Temperature Test Chambers



Model	ET4008	ET7008	ET4018	ET7018	ET4034	ET7034	ET4060	ET7060	ET4100	ET7100
Test Area Volume (L)	80		190		335		600		1000	
Temp. Range (°C)	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180
Temp. Fluctuation (°C)	±0.1-±0.5				±0.1-±0.5					
Temp. Uniformity (°C)	±0.5-±2.0				±0.5-±2.0					
Heating Rate (°C/min)	3.3	3.3	4.1	3.5	3.5	3.0	4.0	4.0	3.2	3.5
Cooling Rate (°C/min)	3.0	2.7	3.5	3.0	3.0	3.3	2.5	2.5	2.5	2.3
Test Area Dimension	400		580		580		800		1100	
W×D×H (mm)	400		450		765		800		950	
	500		750		750		950		950	
Exterior Dimension	650		870		870		1090		1390	
W×D×H (mm)	1000		1550		1860		1960		2155	
	1750		1800		1800		1995		1995	
Max. Load (KG)	5		20		50		70		100	
Cooling Methods	Air-Cooled									

*Notes: The products are customized according to customers' requirement

Temperature and Climate Test Chambers



Model	EC4018	EC7018	EC4034	EC7034	EC4060	EC7060	EC4100	EC7100	EC4150	EC7150
Test Area Volume (L)	190		335		600		990		1540	
Temperature Test Parameters:										
Temp. Range (°C)	-42/+180	-72/+180	-42/+180	-72/+180	-45/+180	-72/+180	-45/+180	-73/+180	-42/+180	-73/+180
Temp. Accuracy (°C)	±0.1-±0.5, Temp. Uniformity (°C): ±0.5-±2.0									
Heating Rate (°C/min)	4.0	4.0	3.2	3.0	4.0	4.0	4.0	4.0	3.5	3.5
Cooling Rate (°C/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:										
Dew point Temp. Rate (°C)	+4(-3°C)-+94									
Humid. Range (%RH)	10-98									
Humid. Fluctuation (%RH)	±1.0-±3.0									
Temp. Accuracy (°C)	±0.1-±0.3, Temp. Uniformity (°C): ±0.5-±2.0									
Heat and Humid. Max. Thermal Compensation (W)	400	400	400	400	500	500	500	500	500	500
Test Area Dimension	580		580		800		1100		1100	
W×D×H (mm)	450		765		800		950		1475	
	750		750		950		950		950	
Exterior Dimension	870		870		1090		1390		1390	
W×D×H (mm)	1550		1860		1960		2155		2680	
	1800		1800		1995		1995		1995	
Power	AC380V±10%, 50HZ, 3/N/PE									
Cooling Methods	Air-Cooled									

*Notes: The products are customized according to customers' requirements

Walk-In Temperature and Climate Test Chambers



		ETZ8/4010	ETZ12/4010	ETZ17/4010	ETZ22/4010	ETZ28/4010				
ETZ High and Low Temperature Chambers										
ECZ Humidity Cycling Chambers		ECZ8/010	ECZ12/010	ECZ17/010	ECZ22/010	ECZ28/010				
ETCZ Climate Cycling Chambers		ETCZ8/4010	ETCZ12/4010	ETCZ17/4010	ETCZ22/4010	ETCZ28/4010				
Test Area Volume	m ³	8.0	12.0	17.0	22.0	28.0				
Test Area Dimension										
W×D×H	mm	2,000	2,000	2,250	2,250	2,250				
		2,056	3,040	3,032	4,016	5,000				
Exterior Dimension										
W×D×H	mm	2,240	2,240	2,490	2,490	2,490				
		2,240	2,240	2,740	2,740	2,740				
		3,800	4,780	4,900	5,880	6,860				
Floor Load-bearing Capacity	N/m ²	30000								
Temp. Range (No Load)	°C	ETZ Series (608,6010,6015,6018,408,4010,4015,4018) -60,-40°C / +80°C,+100°C,+150°C+180°C optional ECZ Series (08,010) 0°C / +80°C,+100°C optional ETCZ Series (608,6010,6015,408,4010,4015) -60°C,-40°C / +80°C,+100°C,+150°C optional								
Humid. Range	%RH	15~95 (ETZ、ETCZ Series)								
Dew point Temp. Range	°C	+4~+59 +4~+95								
		Heat Up/Cool Down Temp. Rate (IEC60068-3-5)								
Level 1	K/min	4.5	4.5	3.7	3.7	2.7	2.1	2.1	1.7	1.7
Level 2	K/min	5.5	5.5	4.5	4.5	3.2	3.2	2.6	2.6	2.0
Temp. Fluctuation	K	±0.1~±0.5 (IEC60068-3-5)								

*Notes: The products are customized according to customers' requirement

Temperature Shock Test Chambers- 2-Zones



Specifications

Model		ET450S2 ET550S2 ET650S2	ET4100S2 ET5100S2 ET6100S2	ET4200S2 ET5200S2 ET6200S2
Test Area Volume	L	50	100	200
Test Zone		2	2	2
H.T. Chamber Temp. Range	°C	+50/+200	+50/+200	+50/+200
L.T. Chamber Temp. Range	°C	-80/+70	-80/+70	-75/+70
Temp. Fluctuation	°C	±0.3±1.0	±0.3±1.0	±0.3±1.0
Temp. Uniformity	°C	±0.5±2.0	±0.5±2.0	±1.0±2.0
Recovery Time	min	Less than 1min(Air Outlet)	Less than 5min(Air Outlet)	Less than 5min(Air Outlet)
Test Area Dimension				
W×D×H	mm	400 400 310	500 500 400	600 550 600
Exterior Dimension				
W×D×H	mm	900 2300 2160	1000 2400 2250	1200 2500 2200
2-Cased Type	°C	-40/+150	-40/+150	-40/+150
2-Cased Type	°C	-55/+150	-55/+150	-55/+150
2-Cased Type	°C	-65/+150	-65/+150	-65/+150

*Notes: The products are customized according to customers' requirement

Temperature Shock Test Chambers - 3 Zones



Specifications

Model		ET4100S3 ET5100S3 ET6100S3	ET4200S3 ET5200S3 ET6200S3	ET4300S3 ET5300S3 ET6300S3
Test Area Volume	L	100	200	300
Test Zone		3	3	3
H.T. Chamber Temp. Range	°C	+50/+200	+50/+200	+50/+200
R.T. Chamber Temp. Range	°C	R.T	R.T	R.T
R.T. Chamber Temp. Range	°C	-70/+70	-75/+70	-75/+70
Temp. Fluctuation	°C	±0.3±1.0	±0.3±1.0	±0.3±1.0
Temp. Uniformity	°C	±0.5±2.0	±0.5±2.0	±1.0±2.0
Recovery Time	min	Less than 5min (on Air Outlet)	Less than 5min (on Air Outlet)	Less than 5min (on Air Outlet)
Test Area Dimension		500	650	700
W×D×H	mm	575 350	585 450	710 600
Exterior Dimension		1100	1150	1200
W×D×H (mm)		2300	2450	2550
		2070	2170	2320
3-Cased Type (2-Cased)	°C	-55/+150(-40/+150)	-55/+150(-40/+150)	-55/+150(-40/+150)
3-Cased Type (2-Cased)	°C	-55/+150(-55/+150)	-55/+150(-55/+150)	-55/+150(-55/+150)

*Notes: The products are customized according to customers' requirement

Temperature and Climate and Low Air Pressure Test Chambers



High and Low Temperature Chambers	ETQ7025	ETQ7050	ETQ7100	ETQ7200
High and Low Temperature (Humidity) Chambers	ECQ7025	ECQ7050	ECQ7100	ECQ7200
Test Area Volume (L)	250	500	1000	2000
Temp. Test Parameters:				
Temp. Range (°C)	-70~+150			
Temp. Fluctuation (°C)	±0.1±0.8(Atmospheric Pressure No Load)			
Temp. Uniformity (°C)	±0.5±2.0 (Atmospheric Pressure No Load)			
Temp. Accuracy (°C)	±2.0 (Atmospheric Pressure No Load)			
Heat Up Time (min) (+ 20°C to +150°C)	≤60	≤60	≤50	≤60
Cool Down Time (min) (+ 20°C to -60°C)	≤90	≤80	≤60	≤80
Pressure Range (KPa)	Atmospheric Pressure ~1.0		Atmospheric Pressure ~0.5	
Pressure Accuracy (KPa)	±2 (Atmospheric Pressure ~40KPa); ±5%(40KPa~4KPa); ±0.1(4KPa~1KPa)			
Pressure Release Time (min)	≤45 (Atmospheric Pressure→1KPa)			
Expand Rapid Release of Pressure Function (optional)	Pressure Release Range: 75.2KPa → 18.8KPa; Pressure Release Time: 15sec			
Climate Test Parameters for ECQ series:				
Temp. Range (°C)	+10~+95			
Temp. Fluctuation (°C)	±0.1±0.8(Atmospheric Pressure No Load)			
Temp. Uniformity (°C)	±0.1±2.0(Atmospheric Pressure No Load)			
Humid. Range (%RH)	(10) 20~98(Atmospheric Pressure No Load)			
Humid. Fluctuation(%RH)	±1~±3 (Atmospheric Pressure No Load)			
Test Area Dimension W×D×H (mm)	600×600×700	800×700×900	1000×1000×1000	1400×1200×1200
Exterior Dimension W×D×H (mm)	1000×1800×1880	1500×2750×1900	1400×3250×2000	1810×3710×2310
Power	AC380V±10%, 50HZ, 3/N/PE			

*Notes: The products are customized according to customers' requirement

Temperature Aging Chambers and Rooms



Aging Chambers Model	EWG2003	EWG3003	EWG2006	EWG3006	EWG2010	EWG3010
Test Area Volume (L)	270		600		1000	
Temp. Range (°C)	R.T+20~200	R.T+20~300	R.T+20~200	R.T+20~300	R.T+20~200	R.T+20~300
Temp. Fluctuation (°C)	±0.1~±0.8					
Temp. Uniformity (°C)	±0.5~±2.0(RT+20°C~+200°C), ±1.5~±3.5(200°C~+300°C)					
Temp. Deviation(°C)	±0.5~±2.0(RT+20°C~+200°C), ±0.5~±2.0(200°C~+300°C)					
Heat Up Time (min)	50(RT→+200°C), 90(RT→+300°C)					
Test Area Dimension	600		850		1000	
W×D×H (mm)	500		700		1000	
	900		1000		1000	
Exterior Dimension	1000		1250		1690	
W×D×H (mm)	780		980		1280	
	1710		1850		1850	
Power	AC380V±10%, 50HZ, 3/N/PE					
Aging Rooms Model	EWG25Series	EWG45Series	EWG65Series	EWG85Series	EWG100Series	EWG120Series
Test Area Volume (m ³)	25	45	65	85	100	120
Temp. Range (°C)	RT+10~85					
Temp.Fluctuation(°C)	±0.5~±1.0					

*Notes: The products are customized according to customers' requirement

Robot Intelligent Climate Test Chambers



Model	EDE/EHE 4080-5 4080-10 4080-15	EDE/EHE 7080-5 7080-10 7080-15	EDE/EHE 4140-5 4140-10 4140-15	EDE/EHE 7140-5 7140-10 7140-15	EDE/EHE 4180-5 4180-10 4180-15	EDE/EHE 7180-5 7180-10 7180-15	EDE/EHE 4240-5 4240-10 4240-15	EDE/EHE 7240-5 7240-10 7240-15	EDE/EHE 4360-5 4360-10 4360-15	EDE/EHE 7360-5 7360-10 7360-15
Test Area Volume (L)	775		1400		1800		2400		3550	
Parameters of Temp. Chambers:										
Temp. Range (°C)	-40/+150	-70/+150	-40/+150	-70/+150	-40/+150	-70/+150	-40/+150	-70/+150	-40/+150	-70/+150
Temp. Rapid Change Rang °C	-20/+150	-40/+150	-20/+150	-40/+150	-20/+150	-40/+150	-20/+150	-40/+150	-20/+150	-40/+150
Temp. Rapid Change Rate (°C/min)	5, 10, 15, 20 (No Load)									
Temp. p. C h a nge (°C)	Fluctuation: ±0.1~±0.8 ; Uniformity:±0.5~±2.0 (No Load)									
Parameters for EHE Series Climate Chambers:										
Temp. Range (°C)	10~95									
Humid. Range (%RH)	15~98									
Humid. Fluctuation (%RH)	±1.0~±3.0 (No Load)									
Temp. Range (°C)	Fluctuation:±0.1~±0.8, Uniformity:±0.5~±2.0 (No Load)									
Test Area Dimension	660		950		890		1143		1220	
W×D×H (mm)	660		960		1068		1321		1524	
	1778		1550		1905		1778		1905	
Exterior Dimension	1560		1700		1790		2250		3950	
W×D×H (mm)	2000		2200		2400		2700		1980	
	2750		2750		2850		2750		3000	

*Notes: The products are customized according to customers' requirement

Vibration Combined with Temperature and Climate Test Chambers



ETE Temperature/Vibration Chambers	4060-5	7060-5	4120-5	7120-5	4220-5	7220-5
ECE Climate/Vibration Chambers	4060-10	7060-10	4120-10	7120-10	4220-10	7220-10
	4060-15	7060-15	4120-15	7120-15	4220-15	7220-15
Test Area Volume (L)	600		1200		2200	
Parameters of Temp. Test:						
Temp. Range (°C) Temp.	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180
Fluctuation (°C)	±0.1~±0.8					
Temp. Uniformity (°C)	±0.5~±2.0					
Temp. Change Rate (°C/min)	5, 10, 15, 20, 25, 30, 35, 40 (on Air Outlet) (Further info. available upon request)					
Parameters of Climate Test (ECE series):						
Temp. Range (°C)	+10~+95					
Temp. Fluctuation (°C)	±0.1~±0.5					
Temp. Uniformity (°C)	±0.1~±2.0					
Humid. Range (%RH)	10~96 (98%RH working with blind plate)					
Humid. Fluctuation (%RH)	±1~±3					
Dew point Temp. Range (°C)	+4~+94(working with blind plate)/+4~+59(with vertical bottom plate with hole)/+4~+40(with horizontal bottom plate with hole)					
Vertical Bottom Plate Size (mm)	max.φ710		max.φ1000		max.φ1280	
Horizontal Bottom Plate Size (mm)	max.700×700		max.1000×1000		max.1200×1200	
Test Area Dimension W×D×H (mm)	800×800×950		1100×1100×950		1400×1400×1100	
Exterior Dimension W×D×H (mm)	1220×2890×2150		1525×3590×2150		1825×3950×2300	
Power	AC380V±10%, 50HZ, 3/N/PE					

*Notes: The products are customized according to customers' requirement

Temperature/Humidity/Altitude/Light/ Ventilation Weathering Resistance Combined Test Chambers



Model	EZH3 Series	EZH6 Series
Test Area Volume (m ³)	3.3	6
Test Environment	Temp.: 0°C~+35°C, Humid.: ≤85%RH	
Test Conditions	Atmospheric Pressure No Load	
Temp. Range (°C)	-70 ~ +150	-50 ~ +150
Temp. Fluctuation (°C)	±0.1~±0.8	±0.1~±0.8
Temp. Uniformity (°C)	±2.0	±2.0
Temp. Accuracy (°C)	±2.0	±2.0
Humid. Range (%RH)	15~98	15~98
Low Pressure Ultimate Range (KPa)	≤7.6	≤7.6
Radiation Intensity W/m ²	1000~1200	1000~1200
Fresh Air Ventilation Rate (L/Min)	500~2000 adjustable	500~2000 adjustable
Test Area Dimension		
W×D×H (mm)	1500×1500×1500	1500×2000×2000
Power	AC380V±10%, 50HZ, 3/N/PE	
Cooling Methods	Water-Cooled	

*Notes: The products are customized according to customers' requirement

Rapid Temperature Change and Climate Test Chambers



Chamber Model (5°C/min)	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS
	4018-5	7018-5	4034-5	7034-5	4060-5	7060-5	4100-5	7100-5	4150-5	7150-5
Test Area Volume (L)	190		335		600		990		1540	
Temperature Test Parameters:										
Temp. Range (°C)	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180	-70/+180
Temp. Fluctuation (°C)	±0.1°C~±0.5°C									
Temp. Uniformity (°C)	±0.5°C~±2.0°C									
Heat up/Cool down Rate(°C/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 Area Dimension W×D×H (mm)	580×450×750		580×765×750		800×800×950		1100×950×950		1100×1475×950	
Chamber Model (10°C/min)	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS
	S	7034-10	7034-10	7060-10	7060-10	7100-10	7100-10	7130-10	7130-10	7130-10
Chamber Model (15°C/min)	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS	ETS/ECS
	S	7034-15	7034-15	7060-15	7060-15	7100-15	7100-15	7130-15	7130-15	7130-15
Test Area Volume (L)	335		600		990		1300			
Temp. Test Parameters:										
Temp. Range (°C)	-40/+180	-70/+180	-40/+180	-70/+180	-40/+180		-40/+180	-70/+180		
Temp. Fluctuation (°C)	±0.3~±0.8									
Temp. Uniformity (°C)	±0.5~±2.0									
Heat up/Cool down Rate (°C/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		
Heat up/Cool down Rate (°C/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		

*Notes: The products are customized according to customers' requirement

Water and Rain Test Chambers



Model	EFS-PRO Series	
Standards	Compliant with GJB-150.8-2009	
Test Zones	2	
Operation Mode	Horizontal and vertical automatic movement system between specimen basket and liquid bath	
Liquid Media	Fluorocarbon Oil	
Hot Bath Temp. Range (°C)	+70~+200	+70~+200
Cold Bath Temp. Range (°C)	-80~0	-80~0
Temp. Fluctuation(°C)	±0.3~±1.0	±0.3~±1.0
Temp. Uniformity(°C)	±0.5~±2.0	±0.5~±2.0
Test Area Temp. Range(°C)	-65~0 / +70~+150	-65~0 / +70~+150
Specimen Transfer Time(sec)	About 10 sec(Time of transfer between hot and cold bath)	About 10 sec(Time of transfer between hot and cold bath)
Temp. Recovery Time(min)	Within 5 mins	Within 5 mins
Test Area DimensionW×D×H (mm)	120×120×180	150×150×200
Inside Bath DimensionW×D×H(mm)	250×350×400	280×380×420
Outside DimensionW×D×H (mm)	1100×1400×2000	
Power	AC380V±10%, 50HZ, 3/N/PE	
Cooling Methods	Water-cooled	

*Notes: The products are customized according to customers' requirement

Sand Dust Test Chambers



Model	ESC500	ESC800	ESC1000	ESC1500
Sample holder Dimension	785×785	790×990	980×980	980×1480
Exterior Dimension W×D×H (mm)	800×800×800	800×1000×1000	1000×1000×1000	1000×1500×1000
Temp. Range (°C)	RT+20 ~ +80 adjustable			
Selective Dustproof Test	IP5X (Dustproof Test, increase or not negative pressure) ; IP6X Seal Test, increase negative pressure)			
Compliant with Standards	GB4208-2008 / IEC60529:2001			
Power	AC230V±10%, 50HZ, 1/N/PE			

Model	ESC-PRO Series		
Temp. Range (°C)	RT+20 ~ +80 Adjustable		
Humid. Range (%RH)	10~30		
Blowing method	Up and Down, Gyrotory Cycle		
Time control	0~99H59M59S Adjustable		
Dust Blowing Test	GJB-150.12-2009		
Dust Concentration (g/m ³)	10.6±7		
Speed of Dust Blowing (m/s)	1.5~8.9		
Dust Composition	97%~99%SiO ₂		
Sand Blowing Test	GJB-150.12-2009		
Sand Concentration (g/m ³)	2.2g±0.5; 1.1g±0.3; 0.18;		
Speed of Sand Blowing (m/s)	18~30		
Sand Diameter (um)	150≤Sand Diameters≤850		
Dust-Falling Test	GJB-150.12-2009		

*Notes: The products are customized according to customers' requirement

Thermal Shock Test Chambers



Specifications

Model	ETS450S2 ETS550S2	ETS4100S2 ETS5100S2
Test Area Volume (L)	50	100
Test Zone	2	2
H.T. Chamber Tem p . R range (°C)	+50/+200	+50/+200
L.T. Chamber Tem p . R range (°C)	-80/+70	-80/+70
Temp. Fluctuation (°C)	±0.3-±1.0	±0.3-±1.0
Temp. Uniformity (°C)	±0.5-±2.0	±0.5-±2.0
Stress Change time (sec)	than 10sec (on Air Outlet)	less than 10sec (on Air Outlet)
Recovery Time (min)	less than 1min (on Air Outlet)	less than 2min (on Air Outlet)
Test Area Dimension	400	500
W×D×H (mm)	400	500
	310	400
Exterior Dimension	900	1000
W×D×H (mm)	2300	2400
	2160	2250
Stress Change Temp. Range (°C)	-20/+100 (Customizable)	
2-Cased Type (°C)	-40/+150	-40/+150
2-Cased Type (°C)	-55/+150	-55/+150
Max. Load (KG)	15	30
Power	AC380V±10%, 50Hz, 3/N/PE	

*Notes: The products are customized according to customers' requirement

Liquid To Liquid Thermal Shock Chamber



Model	EYC603S2	EYC605S2
Test Space Volume(L)	2.6	4.5
Test Zones	2	
Operation Mode	Horizontal and vertical automatic movement system between specimen basket and liquid bath	
Liquid Media	Fluorocarbon Oil	
Hot Bath Temp. Range (°C)	+70~+200	+70~+200
Cold Bath Temp. Range (°C)	-80~0	-80~0
Temp. Fluctuation(°C)	±0.3~±1.0	±0.3~±1.0
Temp. Uniformity(°C)	±0.5~±2.0	±0.5~±2.0
Test Area Temp. Range(°C)	-65~0 / +70~+150	-65~0 / +70~+150
Specimen Transfer Time(sec)	About 10 sec(Time of transfer between hot and cold bath)	About 10 sec(Time of transfer between hot and cold bath)
Temp. Recovery Time(min)	Within 5 mins	Within 5 mins
Test Area DimensionW×D×H (mm)	120×120×180	150×150×200
Inside Bath DimensionW×D×H(mm)	250×350×400	280×380×420
Outside DimensionW×D×H (mm)	1100×1400×2000	
Power	AC380V±10%, 50HZ, 3/N/PE	
Cooling Methods	Water-cooled	
Test Standard	GJB 150-86 GB 2423-22 MIL-STD-883	

*Notes: The products are customized according to customers' requirement

Environmental Stress Screening Test Chambers



Model	ETS580S3 ETS680S3	ETS5150S3 ETS6150S3	ETS5250S3 ETS6250S3	ETS5340S3 ETS6340S3
Test Area Volume (L)	80	150	252	335
Test Zone	3	3	3	3
H.T. Chamber Temp. Range (°C)	50/+220	+50/+220	+50/+220	+50/+220
R.T. Chamber Temp. Range (°C)	R.T	R.T	R.T	R.T
L.T. Chamber Temp. Range (°C)	-70/+70	-75/+70	-75/+70	-75/+70
Temp. Fluctuation (°C)	±0.3~±1.0	±0.3~±1.0	±0.3~±1.0	±0.3~±1.0
Temp.Uniformity (°C)	±0.5~±2.0	±0.5~±2.0	±1.0~±2.0	±1.0~±2.0
Recovery Time (min)	less than 15 min	less than 15 min	less than 15 min	less than 15 min
ESS Temp. Range(°C)	-40/+125	-55/+125	-55/+125	-55/+125
ESS Temp. Rate(°C)	3~15/15~30(on specimen)	3~15/15~30(on specimen)	3~15/15~30(on specimen)	3~15/15~30(on specimen)
Test Area Dimension W×D×H (mm)	500 400 400	600 500 500	700 600 600	800 650 650
Exterior Dimension W×D×H (mm)	1460 1900 2050	1560 2100 2150	1700 2300 2250	1800 2500 2300

*Notes: The products are customized according to customers' requirement