



•	Product Model	WEWON-ATS-710	WEWON-ATS-535
•	Product Name	ATS 710 Thermal Control System	ATS-535 Thermal Control System
•	Temperature Range	-80 ° C to +250 ° C	-60 ° C to +250 ° C
•	Control Precision	±0.5°C	±0.35°C
•	Impact Gas Flow	4 to 18 SCFM (1.8 to 8.5 L/S)	4 to 18 SCFM (1.8 to 8.5 L/S)
•	Impact Rate	-55° C +125° C, ≤10S	-55° C +125° C, ≤30S
•	Machine Dimensions (W*D*H)	660mm*1040mm*1120mm	660mm*1040mm*1120mm
•	Use Conditions	Ambient Temperature: 5 ° C ~ 35 ° C	Relative Humidity: ≤85%
•	Air Pressure:	86kPa ~ 106kPa	86kPa ~ 106kPa
•	Machine Outlook	Powder Color Coating Spray on Cold Rolled Steel Plate	
•	Air Duct	Insulation Outlet Pipe, Length 3.0 Meters, Inner Diameter 12mm	
•	Power Supply (V. Hz)	AC 220V, 50Hz, Single Phase	AC 380V, 440V, 60Hz, Three Phase
•	Gross Weight (Kg)	285 Kg	245 Kg

•	The air supply duct is docked with the heat flow cover, and the three-dimensional adjustment orientation	Air Supply Method	Airflow System
	T or K type thermocouple sensor	Sensor	
	High efficiency compressed air heater	Heater	
•	Efficient self-cascading system	Cooling Method	Refrigeration System
	France Tecumseh, Hermetically sealed compressor	Compressor	



Non-fluorinated environmental protection HFC R290, R170	The Refrigerant
Air-cooled and efficient forced convection finned	Condenser
High efficiency ST plate heat exchanger (car joint thermal engineering)	Evaporator
Emerson Oil Separator (Wewon Copyrights)	Oil Separator
Danfoss Thermal Expansion Valve	Expansion Valve
Japanese Heron Palace and Danfoss	Electromagnetic Valve
Output dew point temperature up to -85 ° C	Dehumidifier
Simple structure, small volume and high water removal rate	
Less air consumption and lower noise levels	
Dehumidifier in accordance with DINISO 8573-1	

•	15-inch Large Human Interface, Touch Screen Controller System	Control System
	Support USB, Ethernet, can realize remote control of computer mobile phone	
	Two Detection Modes: AIR MODE and DUT MODE	
	Operating Mode: 1) Hand exercise: Switch manually, Automatic looping. 2) Procedure switch: Manually, Automatic looping.	
•	Ambient Temperature: +5°C to +35°C (Standard +23°C)	Conditions of Use
	Relative Humidity: ≤95% RH; (Standard 45% RH)	
	Atmospheric Pressure: 80kPa~106kPa	
	Voltage: AC 220V (±10%), Grounding Resistance ≤ 4 Ω, Air switch 32A	
	Nominal Maximum Power: About 4.5KW	
	Maximum Operating Current: approx. 20A	
	Air Source Requirements (Requires users to provide clean and dry air supply):	
	Compressed Air Temperature +20 degrees ~ +25 degrees	
	Air Source Pressure: 0.6 Mpa (90 psig) – 0.78 Mpa (110 psig)	
	Air Consumption: 1.0 M3/min	

Working Principle of ATS 710 Thermal Control System and ATS-535 Thermal Control System: The output airflow cover of the thermal control system will be covered by the test product. This way will form a test room in a closed space. The high or low temperature airflow output by the ATS 710 thermal control system makes the surface temperature of the tested product change dramatically. Thus the corresponding high and low temperature impact test is completed.

ATS 710 thermal control system and ATS-535 thermal control system can be used for a number of components in a single IC plate or the overall IC template components. Isolate it for high and low temperature impact, and it does not affect the other peripheral devices. Compared with the traditional thermal shock chamber, the impact rate of temperature variation is faster.

There has two test mode for ATS 710 thermal control system and ATS-535 thermal control system: Air Mode, DUT Mode. Make your test with high temp to room temp to low temp | high temp to low temp | high temp to room temp | low temp to room temp and adaptive program as well.

•	Compared with the traditional rapidly temperature shock chamber, thermal shock chambers, The main advantages of Wewon temperature forcing system include: (Wewon Environmental Chambers Co., Ltd. Copyrights)
•	The rate of temperature change is faster; Wewon temperature forcing system Precision of temperature control: ±1°C
•	Real-time monitoring of the real temperature of the components to be tested, the impact air temperature can be adjusted at any time.
•	For a single IC(module) of many components on the PCB circuit board, high and low temperature shock can be carried out independently without affecting other peripheral devices.
•	Wewon temperature forcing system treat with the test beach of load board, For IC lead frame temperature shock test.