

Temperature & Humidity Chamber

Economy Models (45~90%RH & +10°C~+65°C)

Serving the Scientific, Medical and Research industries since 1945

LABEC

LABEC Economy Temperature and Humidity Chambers are suitable for environmental testing applications where environmental conditions need to be accurately reproduced and controlled. A unique internal breeze circulation fan combined with a heating system with submerged elements provides excellent temperature and humidity uniformity.

Features

Featuring a double door structure for easy observation of internal conditions, and intelligent defrost function to ensure long term use without the need for down time to remove ice. There is a large LCD display with programmable controller, and over-temperature alarm and mechanical temperature limiter.

Relative humidity

Relative humidity is achieved using the internal water trough for humidification and refrigeration system for active dehumidification. Water supply is automatically topped up using mains pressure or tank fed via gravity.



Model F-HWS-70B



Laboratory Equipment Pty Ltd

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SPECIFICATIONS

Temperature & Humidity Chamber Economy Models (45~90%RH & +10°C~+65°C)

Model		F-HWS-70B	F-HWS-150B	F-HWS-250B
Cycle Mode		Forced convection		
Function	Temp Range	No humidification: 0~65°C With humidification: 10~65°C		
	Temp Resolution Ratio	0.1°C		
	Temp Motion	High Temp: ±0.5°C Low Temp: ±1°C		
	Temp Uniformity	±1°C		
	Humidity Range	45%~95%RH		
	Humidity Stability	±5%RH		
Structure	Inner Chamber	Mirror Stainless Steel		
	Outer Shell	Painted Mild Steel		
	Heater	Stainless steel element		
	Compressor	Air cooled hermetic compressor		
	Refrigerant	R134A		
	Defrost Structure	Automatic control intelligent defrosting		
	Port Hole	Plastic port hole φ43mm		
Controller	Temp Control Mode	30 section LCD program		
	Temp Setting Mode	Touch button setting		
	Temp Display Mode	Top Row = Set Temperature, Bottom Row = Measured Temperature		
	Humidity Control Mode	Automatic		
	Timer	0~99.9h×30 section (with timing wait function)		
	Operation Function	Program operation, timing function, auto stop.		
	Sensor	PT100		
	Additional Function	Manual LED light, deviation correction, menu key lock, self diagnosis of power, failure parameter memory loop		
Safety Device		Over temperature alarm, mechanical temperature limiter		
Specification	Inner Chamber Size (mm)	w415*d350*h500	w490*d400*h750	w500*d500*h950
	Exterior Size (mm)	w571*d591*h1051	w646*d641*h1301	w656*d741*h1501
	Packing Size (mm)	w700*d700*h1250	w800*d750*h1500	w800*d850*h1700
	Volume	70L	150L	250L
	Max Load per Shelf	15kg		
	Max Shelf Number	9	12	18
	Shelf Spacing	35mm		
	Power Supply	AC240V/10AMP		
	Power Rating	1.8kW	2.0kW	2.2kW
	NW/GW (kg)	69/92	86/114	100/139
Accessory	Shelf	2		
Optional Accessories		Extra shelf, Touch screen controller, RS485 interface, Printer, Recorder.		

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