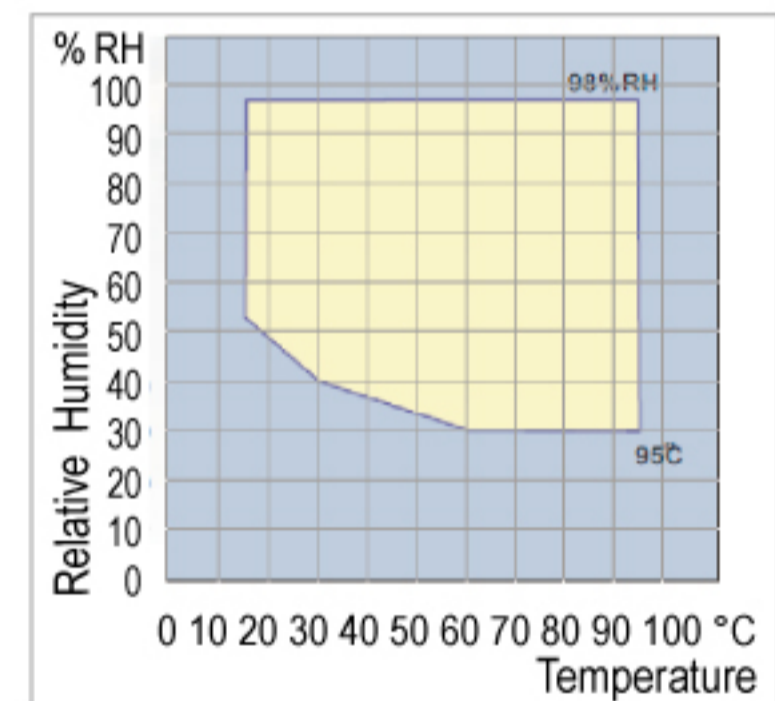


# Temperature & Humidity Chamber



**Constant temperature and humidity test from  $-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$  (CL type only / option : up to  $180^{\circ}\text{C}$ ) and humidity 20% to 98% RH**

- ❑ High accuracy control with self diagnostic and various Program control by 120 pattern 1200 segment 999 cycle operation or manual operation
- ❑ Exterior material of Stainless steel hair lined finish is supplied by optional order
- ❑ Excellent temperature recovery performance by rapid Heat-up within 20 minutes and cool-down within 60 minutes



Viewing window with Halogen Lamp and safety glasses



Water supply system Built-in reservoir cassette type sliding



Access port I.D. 40mm made by engineering plastic with air tight closer



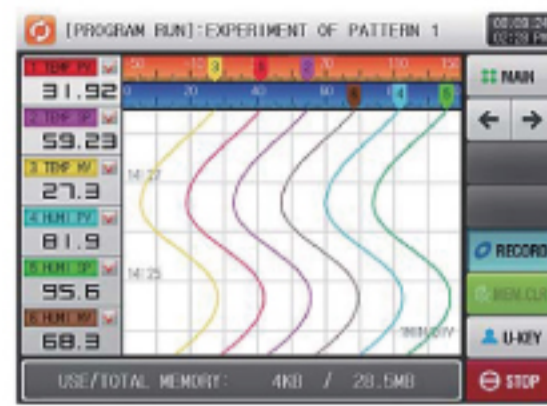
# Constant Running Test

## Microprocessor Programmable PID Control with PC Software System



- 120 Patterns / 1,200 Segments
- Monitoring on PC Software
  - Remote operation & editing programs
  - Graph & Data acquisition
  - Converting saved data to spreadsheet
  - Mono color display (Option Color display)

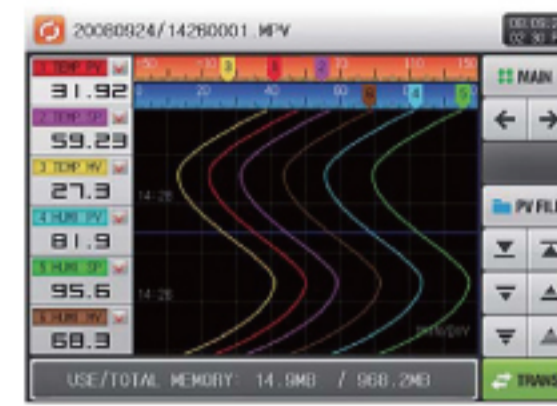
1. Real-time monitoring and data acquisition



Real-time display PV, SP and MV Saving to built-in memory

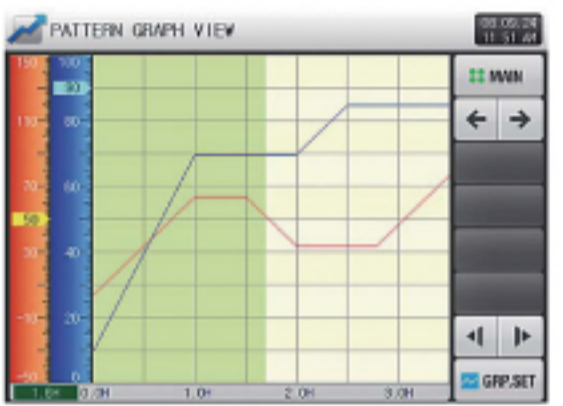
Digital Recorder function No additional recorder required

2. Display graph of saved data

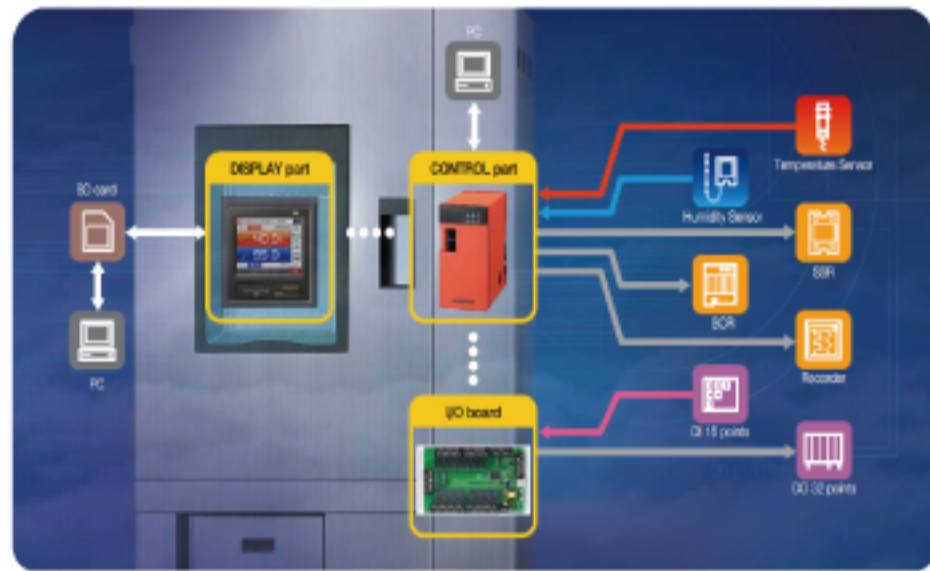


Real-time display PV, SP and MV Saved at built-in memory

3. Graph of setup patterns



Display setup pattern and processing status



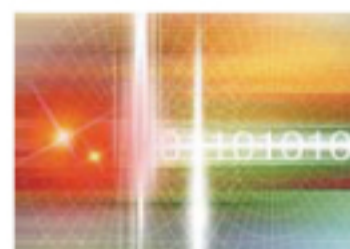
**Control System Configuration**



✓ **Touch screen interface**  
Easy access with Touch Screen



✓ **Differentiated Humidity control mode**  
Selectable humidity control modes on extreme situations



✓ **Various Signals**  
56 kinds of different signals are available, wide coverage any situation



✓ **16 points DI  
20 points DO**  
Sufficient contact points provided by default



✓ **Extended Pattern time**  
999h, 59m, 59s of Segment time with second time unit



✓ **Free PC Software**  
• Monitoring on PC  
• Remote operation & editing programs

MODEL	LHT-2150C	LHT-2250C	LHT-2500C	LHT-2800C	
Temperature / Humidity	Range -20°C to 150°C / 20% to 98% RH				
MODEL	LHT-2151CL	LHT-2251CL	LHT-2501CL	LHT-2801CL	
Temperature / Humidity	Range -50°C to 150°C / 20% to 98% RH				
Dimension	Inner	500 x 500 x 600	600 x 600 x 700	800 x 700 x 800	1000 x 800 x 1000
(WxDxH mm)	Outer	1105 x 980 x 1685	1205 x 1080 x 1785	1400 x 1180 x 1885	1600 x 1280 x 2085
Capacity		150 ℓ	252 ℓ	448 ℓ	800 ℓ
Compressor		3 / 4HP (+1HP)*	3 / 4HP (+1HP)*	1HP (+2HP)*	2HP (+3HP)*
Heater		3kW	3kW	3.5kW	4kW
Temperature	Set Accuracy ± 0.01 °C Uniformity ± 1.0 °C				
Humidity	Set Accuracy ± 0.1% RH Uniformity ± 3% RH at ± 70% RH				
Sensor	PT 100 Ω & Electronic sensor				
Heat-Up time		35min (-25°C to 100°C)		40min (-25°C to 100°C)	
Cooling Down Time		45min (+25°C to -25°C)		60min (+25°C to -40°C)	
Display	5 Inch Touch Screen monitor (Mono : Standard/Color : Option)				
Controller	Microprocessor PID Touch Screen Program controller 120 patterns, 1200 segments, 999 cycle program capacity				
Material	Interior	Stainless steel with polished finish			
	Exterior	Epoxy Powder Coated EGI steel			
Shelf	Adjustable perforated stainless steel shelf				
Access	Port Black engineering plastic dia 40mm				
Safety	Hi-Low over temperature protector Over current & Electric leakage breaker Thermal and Physical safety window glass				
Electric supply	220 V 1P 50/60 Hz, 380/400 V 3P 50/60 Hz				

Custom made order is available  
Specifications can be changed without prior notice for quality improvement.