



Environmental Chamber JTH Series

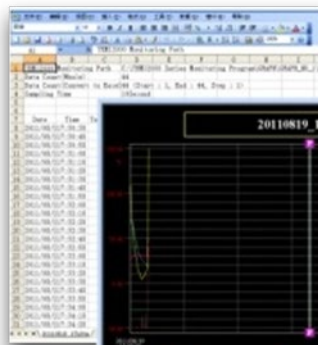
Welltech provide high-quality Temperature Chamber with different capacity that meet every customer's need, custom design also available.

Model : JTH Series
Capacity: 63L to 1500L



Technical Data

- Temperature Range: -75 to 150C (option with 180C)
- Humidity Range: 10 to 98%RH
- Accuracy: +/-0.5C ; +/-1.5%RH
- Fluctuation: +/-0.5C ; +/-2%RH
- Uniformity: +/-0.5C ; +/-2%RH
- Stability: +/-0.5C ; +/-2%RH
- Resolution: 0.01C; 0.1%RH
- Heating Rate: 3C (Standard), 10C+ (option)
- Cooling Rate: 3C (Standard), 10C+ (option)
- Power Supply: Single Phase 220Vac ; 3phase 400Vac
- Meet EN-61010-1 Safety of Machine, CNS, JIS, ISO and ASTM standard
- With CE Certificate



Software



LCD Touch Screen Controller

Key Features



LCD Touch Screen Controller

- With digital display, graph display, error diagnostic, programming and segments setting, alarm setting, history display, password protection. Program up to 120 pattern



Digital Humidity Probe

- Replace dry and wet bulb method
- Accuracy: +/-1.5%RH



Cable Port

- O.D.: 50mm,80mm, 100mm or 150mm



Adjustable Shelf



Dual Compressor Design



Viewing Window

- 250x330 or 490x540mm (WxD)
- With lamp



PLC Microprocessor System



Signal Lamp



Flash Card Data Storage



Water Re-fill System

- Once the water is not enough, the water will goes into the water tank automatically



RS232 or RS485 interface Ethernet Port

- With PC software



Cartridge Type Water Tank

- With water level indicator



Individual Thermostat for heater and boiler



Castors



Lockable Power Switch

Optional Features

- With Chart Recorder
- With paperless LCD touch screen recorder
- With iris port and gloves
- With UV lamps
- With low humidity up to 5%RH
- With time signal terminal
- With variable wind speed control
- Remote control and monitoring
- With water tower or chiller



Chart Recorder

• No of channel:2



Paperless Chart Recorder

• No of channel: 2,4,6,12



Iris Port



Grounding Terminal



Digital Thermostat



Time Signal Terminal



UV Lamps

Key Features

- TEMI2500 LCD touch screen digital display controller, programmable
- Model: fix or program mode
- PLC microprocessor, PID Control of Temperature and Humidity
- Both temperature and humidity are programmable (can have 100 pattern, each pattern has 120 segment, can repeat pattern, segment or part of segment)
- With digital humidity probe
- With RS232 / RS485 and Ethernet port
- English window software (for PC editing, control, data storage)
- All stainless steel (both interior and exterior), 100mm thickness
- Single door
- With viewing window
- With thermostats (prevent overheat)
- Cable ports (50, 80 or 100mm) diameter
- With data storage on SD flash card
- Protection (MCCB circuit protection, phase protection, overheat, overcurrent etc)
- Error history recording
- Controller password protection
- Cartridge type water tank
- Adjustable shelf
- Auto-water refill valve and filter
- Air cool or water cool

Controller with ethernet port for network control and IP monitoring



Model

Model Number	Capacity	LCD Touch Screen	Programmable (Temperature)	Programmable (Humidity)	Temperature Range	Humidity Range	Internal Dimension H x W x D (cm)
JTH-63	63L	Yes	Yes	Yes	0 to 150 degC	10 to 98%RH	45 x 40 x 35
JTH-63J	63L	Yes	Yes	Yes	-25 to 150 degC	10 to 98%RH	45 x 40 x 35
JTH-63R	63L	Yes	Yes	Yes	-40 to 150 degC	10 to 98%RH	45 x 40 x 35
JTH-63Z	63L	Yes	Yes	Yes	-75 to 150 degC	10 to 98%RH	45 x 40 x 35
JTH-80	80L	Yes	Yes	Yes	0 to 150 degC	10 to 98%RH	50 x 40 x 40
JTH-80J	80L	Yes	Yes	Yes	-25 to 150 degC	10 to 98%RH	50 x 40 x 40
JTH-80R	80L	Yes	Yes	Yes	-40 to 150 degC	10 to 98%RH	50 x 40 x 40
JTH-80Z	80L	Yes	Yes	Yes	-75 to 150 degC	10 to 98%RH	50 x 40 x 40
JTH-88	88L	Yes	Yes	Yes	0 to 150 degC	10 to 98%RH	82 x 40 x 27
JTH-88J	88L	Yes	Yes	Yes	-25 to 150 degC	10 to 98%RH	82 x 40 x 27
JTH-88R	88L	Yes	Yes	Yes	-40 to 150 degC	10 to 98%RH	82 x 40 x 27
JTH-88Z	88L	Yes	Yes	Yes	-75 to 150 degC	10 to 98%RH	82 x 40 x 27
JTH-120	120L	Yes	Yes	Yes	0 to 150 degC	10 to 98%RH	60 x 50 x 40
JTH-120J	120L	Yes	Yes	Yes	-25 to 150 degC	10 to 98%RH	60 x 50 x 40
JTH-120R	120L	Yes	Yes	Yes	-40 to 150 degC	10 to 98%RH	60 x 50 x 40
JTH-120Z	120L	Yes	Yes	Yes	-75 to 150 degC	10 to 98%RH	60 x 50 x 40
JTH-150	150L	Yes	Yes	Yes	0 to 150 degC	10 to 98%RH	60 x 50 x 50
JTH-150J	150L	Yes	Yes	Yes	-25 to 150 degC	10 to 98%RH	60 x 50 x 50
JTH-150R	150L	Yes	Yes	Yes	-40 to 150 degC	10 to 98%RH	60 x 50 x 50
JTH-150Z	150L	Yes	Yes	Yes	-75 to 150 degC	10 to 98%RH	60 x 50 x 50
JTH-225	225L	Yes	Yes	Yes	0 to 150 degC	10 to 98%RH	75 x 50 x 60
JTH-225J	225L	Yes	Yes	Yes	-25 to 150 degC	10 to 98%RH	75 x 50 x 60
JTH-225R	225L	Yes	Yes	Yes	-40 to 150 degC	10 to 98%RH	75 x 50 x 60
JTH-225Z	225L	Yes	Yes	Yes	-75 to 150 degC	10 to 98%RH	75 x 50 x 60
JTH-408	408L	Yes	Yes	Yes	0 to 150 degC	10 to 98%RH	85 x 60 x 80
JTH-408J	408L	Yes	Yes	Yes	-25 to 150 degC	10 to 98%RH	85 x 60 x 80
JTH-408R	408L	Yes	Yes	Yes	-40 to 150 degC	10 to 98%RH	85 x 60 x 80
JTH-408Z	408L	Yes	Yes	Yes	-75 to 150 degC	10 to 98%RH	85 x 60 x 80
JTH-800	800L	Yes	Yes	Yes	0 to 150 degC	10 to 98%RH	100 x 100 x 80
JTH-800J	800L	Yes	Yes	Yes	-25 to 150 degC	10 to 98%RH	100 x 100 x 80
JTH-800R	800L	Yes	Yes	Yes	-40 to 150 degC	10 to 98%RH	100 x 100 x 80
JTH-800Z	800L	Yes	Yes	Yes	-75 to 150 degC	10 to 98%RH	100 x 100 x 80

Model Number	Capacity	LCD Touch Screen	Programmable (Temperature)	Programmable (Humidity)	Temperature Range	Humidity Range	Internal Dimension H x W x D (cm)
JTH-960	960L	Yes	Yes	Yes	0 to 150 degC	15 to 98%RH	100 x 100 x 96
JTH-960J	960L	Yes	Yes	Yes	-25 to 150 degC	15 to 98%RH	100 x 100 x 96
JTH-960R	960L	Yes	Yes	Yes	-40 to 150 degC	15 to 98%RH	100 x 100 x 96
JTH-960Z	960L	Yes	Yes	Yes	-75 to 150 degC	15 to 98%RH	100 x 100 x 96
JTH-1000	1000L	Yes	Yes	Yes	0 to 150 degC	10 to 98%RH	100 x 100 x 100
JTH-1000J	1000L	Yes	Yes	Yes	-25 to 150 degC	10 to 98%RH	100 x 100 x 100
JTH-1000R	1000L	Yes	Yes	Yes	-40 to 150 degC	10 to 98%RH	100 x 100 x 100
JTH-1000Z	1000L	Yes	Yes	Yes	-75 to 150 degC	10 to 98%RH	100 x 100 x 100
JTH-1500	1500L	Yes	Yes	Yes	0 to 150 degC	10 to 98%RH	150 x 100 x 100
JTH-1500J	1500L	Yes	Yes	Yes	-20 to 150 degC	10 to 98%RH	150 x 100 x 100
JTH-1500R	1500L	Yes	Yes	Yes	-40 to 150 degC	10 to 98%RH	150 x 100 x 100
JTH-1500Z	1500L	Yes	Yes	Yes	-70 to 150 degC	10 to 98%RH	150 x 100 x 100

Note1 : With -H temperature up to 180C

Note2 : Our standard Humidity Range is 20 to 98%RH. (Option: 10%RH)

Customer can control the chamber by computer. Also data (temperature & humidity) can be stored in PC.

