

The XTEMP Range of Refrigerated / Humidity Incubators



Features and Benefits

- *Temperature range: Wide temperature range between +4 to 60 °C for applications that requires high or low temperatures.*
- *Temperature control via stepper valve hot gas by-pass and reliable compressor technology for efficient refrigeration.*
- *Mobility: Comes with lockable caster wheels for easy set up and relocation.*
- *Glass window in door for undisturbed inspection of samples.*
- *Flexible shelving system can be catered for different type of samples sizes.*
- *Optional Access port to monitor probes or cables for use on electrical devices.*
- *Single set point microprocessor control via push button temperature setting or TFT touch screen for the Humidity Chambers.*
- *RS232 data interface for temperature monitoring. Software not included.*
- *Programmable heating and cooling sequences can be set.*
- *Low vibration fan to ensure unique airflow and uniform temperature distribution*

The XTEMP Range of Plant Growth / Climate Test Chambers



Features and Benefits

- *Temperature range:*
 - *Lights off: + 5 to 45 °C*
 - *Lights on: + 10 to 45 °C*
- *Temperature control : Via stepper valve hot gas by-pass and reliable compressor technology for efficient refrigeration. Dynamic temperature and humidity control for random program of temperature and humidity.*
- *Mobility : Comes with lockable caster wheels for easy set up and relocation.*
- *Humidity Control : Integrated Ultrasonic atomizer, equipped with piezoelectric ceramic elements for capacity of 1 kg/hr additive humidity*
- *Shelving : Flexible shelving system caters to different type of samples sizes.*
- *Optional : Access port can be cater to insert monitoring probes or cables for use of electrical devices.*
- *7-Inch TFT Touch Screen*



As a leading manufacturer for constant temperature instrument and equipment for laboratories and processes, Xutemp adheres to implementing the highest standards in the world for new product development, verification and validation.

All Xutemp products are established with standards of DIN, JIS, BSI, EN, UL, CSA, IEC and ISO in the designing and manufacturing of equipment for the international market. All final products are tested in compliance according to specific standards marked under CE, UL, NRTL, CSA or other equivalence.

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Refrigerated Incubators



XT5107-IB150

XT5107-IB250

| Models | XT5107-IB150 | XT5107-IB250 |
|--------------------------------|--------------|--------------|
| Effective capacity L | 150 | 250 |
| Temperature range@20°C | +4~+60 | +4~+60 |
| ACC Temperature range@20°C | +4~+40 | +4~+40 |
| Temperature stability ±°C | 0.1~0.2 | 0.1~0.2 |
| Temperature uniformity °C | 1.5 | 2.0 |
| Heater wattage W | 450 | 450 |
| Cooling capacity@20°C W | 200 | 250 |
| Recovery time to DIN 12880 | 30min | 25min |
| Interior size (WDH) mm | 550x450x615 | 550x450x1015 |
| Overall size (WDH) mm | 705x620x1090 | 705x620x1490 |
| Shelves (standard / maximum)EA | 2/5 | 3/7 |
| Observation window | YES | YES |

Accessories :

Powdered coated perforated shelves & preinstall with clips

Humidity Incubators



XT5107-IH150

| Models | XT5107-IH150 | XT5107-IH250 |
|-----------------------------|--------------|--------------|
| Effective capacity L | 150 | 250 |
| Temperature range@20°C °C | +4~+60 | +4~+60 |
| ACC temperature range@20°C | +4~+40 | +4~+40 |
| Temperature stability ±°C | 0.1~0.2 | 0.1~0.2 |
| Temperature uniformity °C | 1.5 | 2.0 |
| Humidity range RH% | 40~90 | 40~90 |
| Humidity stability ±RH% | 2~3 | 2~3 |
| Heater wattage W | 450 | 450 |
| Cooling capacity@20°C W | 200 | 250 |
| Recovery time to DIN 12880 | 30min | 25min |
| Interior size(WDH) mm | 550x450x615 | 550x450x1015 |
| Overall size (WDH) mm | 705x620x1090 | 705x620x1490 |
| Shelves(standard/maximum)EA | 2/5 | 3/7 |
| Observation window | NO | NO |

Accessories :

Powdered coated perforated shelves & preinstall with clips

Plant Growth / Climate Test Chambers

Designed with ramping bottom interior with round corners for easy cleaning and draining of condensate and irrigated or spraying water.



| Models | Plant Growth XT5418-PG800 | Climate Test XT5418-CC800 |
|--------------------------------------|---------------------------|---------------------------|
| Effective capacity L | 800 | 800 |
| Temperature range@20°C light off | +5 ~ +45°C | +5 ~ +45 |
| Temperature range @20°C light on | +10 ~ +45°C | +10 ~ +45 |
| Temperature stability ±°C | 0.1 ~ 0.2 | 0.1 ~ 0.2 |
| Humidity range %RH | 40 ~ 90 | 40 ~ 90 |
| Humidity stability ±%RH | 2 ~ 3 | 2 ~ 3 |
| Heater wattage W | 900 | 900 |
| Cooling capacityW@20°C | 800 | 800 |
| Interior size (WDH) mm | 935x640x1350 | 935x640x1350 |
| Overall size(WDH) mm | 1100x820x1972 | 1100x820x1972 |
| Heating up time (20~45°C light off) | ≤60min | ≤60min |
| Cooling down time (20~5°C light off) | ≤60min | ≤60min |
| Illumination intensity Lux | 32000 | 32000 |
| Air movement | Vertical | Vertical |
| Growth height mm | 1100H | - |
| Growth area (WD)mm | 935x640 | - |
| Lamp canopies & shelves EA | 1 | 5/9 |
| Active radiation (PAR) umol/m2/s | 400 | - |