

REMI

PLUS
Performance
Leading Technology
User Friendly
Safety

Humidity Chambers Seed Germinators



The REMI Humidity Chambers are designed for testing of electronic, electrical components, corrosion studies on mechanical parts, shelf life studies on paints, varnishes and cement at respective manufacturing facilities. These chambers control precise temperature and humidity.

Seed Germinators are used for germination & biological studies, which includes UV, Fluorescent lights coupled with 24 hours cyclic timer for lights on/off regulation.

These chambers are available in standard & GMP versions.

Performance

- Temperature range 10°C to 60°C, Humidity range 40% to 95% Rh
- Precise monitoring of temperature and humidity conditions
- Powerful fan motor for forced air circulation to maintain uniform conditions inside chamber
- Heating by long life SS tubular heaters
- Validation protocol with IQ, OQ, DQ Documentation as per ICH guidelines

Leading Technology

- Microprocessor controller with LCD display & capacitance type sensor for precise control of temperature and humidity
- 4 Inch attractive LCD display for direct display of humidity & temperature
- Battery Backup for Controller - 12 V, 7.2 Ah sealed maintenance free, Fully charged battery runs for more than eight hours
- Automatic Calibration of set parameters
- Self-Diagnosis for errors
- Power failure and resumption recorded with date and time
- Machine filled PUF insulation to eliminate void pockets
- Unique design of thermal barrier for better energy efficiency
- Hermetically sealed Compressor with CFC free refrigerant





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User Friendly

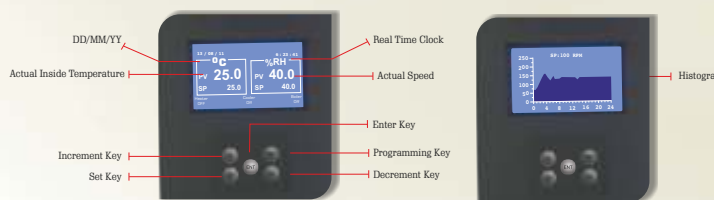
- Histogram format of 24 hours temperature & humidity recording
- Settable High / low alarm points with date and time
- Memory for storage of up to 1000 records
- Centronic interface to record Temperature, Humidity, Date, & Time by attaching Dot Matrix printer with adjustable print interval
- Chamber calibration port on side
- Adjustable trays
- PC communication with RS-485 and software complying to 21 CFR part 11 as per USFDA guidelines (Optional)
- Data logger for 8 Point (4 + 4) temperature / humidity recording with sensor, printer interface and software (Optional)

Features of Software complying to 21 CFR part 11

- Multiple level alpha numerical password with password ageing
- Electronic signature and menu entered comment
- Secured audit trail report
- Alarm report with mention of alarm condition
- Mean Kinetic Temperature able to be calculated for any days & alarm deviation report
- Reports in graphical and tabular form
- Data Stored in PC server with Lan connectivity and can be monitored on any PC with password authentication
- Multi chamber data acquisition on single software

Safety

- Low water level alarm and power cutoff of boiler tank heater
- High temperature safety cut off & alarms for high/low set parameters
- Electrical circuit breaker
- Time delay for compressor switch on
- Overload cut off relay for compressor



Technical Data

	CHM-6 Plus / SG-6 Plus	CHM-10 Plus / SG-10 Plus	CHM-12 Plus	CHM-16 Plus	CHM-19 Plus
Internal Volume (Liters)	200	280	370	450	540
Number of Shelves	2 / 3	3 / 5	4	5	6
Internal Dimensions W x D x H (mm)	660 x 655 x 450	660 x 655 x 650	660 x 655 x 850	660 x 655 x 1050	660 x 655 x 1250
External Dimensions W x D x H (mm)	800 x 1095 x 1020	800 x 1095 x 1220	800 x 1095 x 1420	800 x 1095 x 1620	800 x 1095 x 1820
Temperature Range & Accuracy	10°C to 60°C, ± 1°C				
Humidity Range (Rh) & Accuracy	40% to 95%, ± 3%				
Temperature & Humidity control	Microprocessor with Capacitance type sensor				
Display	4" LCD Screen, Large size Display for ease of reading				
Power Failure Alarm	Audio Visual Alarm				
Door Open Alarm	Audio Alarm in case door open for over one minute				
Temperature / Humidity Variation Alarm	Set Humidity ± 3%, Set Temperature ± 2°C, Audio Visual Alarm				
Illumination	8 Watts Fluorescent Lamp				
Internal Body Material	Stainless Steel - 304 grade (Standard Models), Stainless Steel - 316 grade (GMP Models)				
External Body Material	Powder Coated CRCA Steel (Standard Models), Stainless Steel - 304 grade (GMP Models)				
Insulation	70 mm minimum for Body & 80 mm for Door, CFC free polyurethane foam				
Noise Level	Less Than 65 db(A)				
Recommended Voltage Stabilizer	VS-04				
Electrical	220-240 volts, 50Hz, Single Phase				



Specifications subject to change without notice