

REMI Humidity Chambers (also known as Seed Germinators/Plant Growth Chambers) are designed for testing of electronic, electrical components, corrosion studies on mechanical parts, shelf life studies on paints, varnishes and cement. **These chambers are available in standard & GMP versions.**



CHM-19 Plus

Salient Features :

- 4" LCD Display
- Unique design of thermal barrier for better energy efficiency
- CFC free Refrigeration System
- Settable High / low alarm points with date and time
- Power failure and resumption records
- High temperature safety cut off & alarms for high /

- low set parameters
- Low water level alarm and power cutoff of heater
- Rounded inner chamber for easy cleaning
- Weight carrying capacity of each tray : 30 Kg
- Smart Handle with LED door closure indication
- Port for calibration probes / safety back up
- Air Vent for better humidity control
- Machine filled CFC free PUF insulation to eliminate void pockets
- Forced air circulation to maintain uniform conditions inside chamber
- Hermetically sealed Compressor with CFC free refrigerant
- Output for remote alarm

Optional

- Touch screen display with additional features
- Data logger for 8 Point (4+4) temperature / humidity recording
- Chamber illumination with 2 Nos. fluorescent tubes
- Chamber illumination with 2 Nos. ultra violet lights
- 24 hours Cyclic Timer
- Biometrics Magnetic Door Access for Secured Door opening with software to maintain log
- Validation (mapping) consist of one cycle for temperature/humidity at any one set point for 24 hours on empty and loaded condition
- Standby Refrigeration/Humidity System
- **REMI Datasoft Pro'** software complying to 21 CFR part 11 as per USFDA Guidelines

Display options for Humidity Chambers

LCD Display



Features

- 4 Inch attractive LCD display
- Intelligent Controller helps maintain in case of sensor failure
- Battery Backup for Temperature Controller
- Auto tuning of controller
- Self-Diagnosis for errors
- Histogram format of 24 hours temperature recording
- Settable High / low alarm points
- Memory of upto 1000 records
- Audio Visual Alarm
- Remote Alarm Output

Remi 'Datasoft' Data acquisition software with password protection, secured audit trail, alarm status in tabular and graphical format included

Touch Screen Display



Features

- 7 inch colour touch screen with PLC (Programmable logic controller)
- Memory of upto 1500 records
- Audio Visual Alarm
- Ethernet port
- Battery backup in case of power failure for display, alarms & off line data log in
- Logic based functioning of standby systems of Refrigeration / Humidity
- Remote Alarm Output

Remi 'Datasoft' Data acquisition software with password protection, secured audit trail, alarm status in tabular and graphical format included



Humidity Chambers

REMI 'DATASOFT Pro'

Features

- 1. Web-Based Software Accessibility** Web-based software accessible through browser helps instantly connect REMI chambers within the network, but accessible only to authorised users
- 2. Multi-Device Connectivity** Multiple REMI chambers up to 30 devices connected to single software.
- 3. Network Connectivity** Ethernet based having LAN connectivity helps authorized person to login into software from any PC connected to server network.
- 4. Multi-User Collaboration** Multiple hierarchy levels to view, analyze, e-Review, e-Approval, e-Comment on data with role-based access control
- 5. Alert & Notification System** Mobile and email alert of alarms, events to pre-scheduled persons with SMS, real-time app-based notifications, and DND policies
- 6. Digital Acknowledgment** Alarm acknowledgement with e-signatures and comprehensive audit trail compliance
- 7. Regulatory Compliance** Secured audit trail report and calculation of MKT for any days with 21 CFR Part 11 compliance features
- 8. Backup System** Automatic and manual both type of daily data backup with scheduled intervals, compressed files, and complete restoration capabilities
- 9. Data Management** Additional features of data archival & data restore with retention policies and database integrity checking
- 10. Access Control Integration** Biometric Device Integration with door access data integrated into REMI Web Based software including fingerprint authentication and access logging
- 11. Advanced Reporting & Analytics** PDF report generation, scheduled reporting, and real-time data visualization
- 12. VReal-Time Monitoring** Live data updates, interactive dashboards, and real-time alarm monitoring with instant notifications
- 13. Communication Protocols** Support for Modbus RTU/TCP, serial communication (RS232/RS485), TCP/IP Ethernet

Technical Data							
Model	CHM-6 Plus	CHM-10 Plus	CHM-12 Plus	CHM-16 Plus	CHM-19 Plus	CHM-28 Plus	CHM-35 Plus
Internal Volume (Litres)	200	280	370	450	540	800	1000
Number of tray	2	3	4	5	6	6	7
Internal Dimensions (WxDxH) (mm)	600x455x735	600x455x1030	600x455x1360	660x655x1050	660x655x1250	800x800x1250	800x800x1580
External Dimensions (WxDxH) (mm)	740x780x1305	740x780x1600	740x780x1930	800x1095x1620	800x1095x1820	960x1370x1950	960x1370x2270
Temperature Range & Accuracy	10°C to 60°C, ± 1°C						
Humidity Range(RH) & Accuracy	40% to 95%, ± 3% (25% to 95% available on request)						
Temperature & Humidity Control	Microprocessor with Capacitance type sensor						
Display	4" LCD Screen, Large size Display for ease of reading						
Power Failure Alarm	Visual Alarm						
Door OpenAlarm	Audio Visual, in case door open for over one minute						
Temperature Variation Alarm	Set Humidity ± 3%, Set Temperature ± 1°C, Audio Visual Alarm						
Illumination	8 Watts Fluorescent Tube						
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 (Triple wall)						
Noise Level	Less Than 65 db(A)						
Recommended Voltage Stabilizer	VS-04					VS-07	
Supply: 220-240 Volts 50 Hz Single Phase.							

Specifications subject to change without notice

