

**REMI** Cooling Incubators are designed for applications in pharmaceutical, microbiology, biotechnology, chemical & research labs. These chambers are used for BOD test culture of bacteria, microorganism, tissue culture, incubation, immunological work & storage of vaccines etc. **These Incubators are available in Standard & GMP versions.**



**CI -10 Plus**

## Salient Features :

- Unique design of thermal barrier
- Machine filled PUF insulation
- CFC free refrigeration system
- Forced air circulation for better uniformity
- Port for calibration probes / safety back up
- Height Adjustable trays with 30 kg weight carrying capacity of each tray
- High temperature safety cut off & alarms
- Smart Handle with LED door closure indication

## Optional Accessories:

- Chamber illumination with 2 Nos. fluorescent tubes / UV lights
- 24 hours Cyclic Timer
- Data logger for 8 Point temperature recording
- Biometrics Magnetic Door Access
- Validation (mapping) consisting of one cycle for temperature at any one set point for 24 hours on empty and loaded condition
- Standby Refrigeration System(only for TFT versions)
- Seven days circular chart recorder
- **'Remi 'Datasoft Pro'** Software as per 21 CFR Part 11 requirements (LCD & Touch Screen Versions)

## Display options for Cooling Incubators

### 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**

Specifications subject to change without notice



# Cooling Incubators

## REMI 'DATASOFT Pro'

### Features

- 1. Web-Based Software Accessibility** Web-based software accessible through browser helps instantly connect REMI chambers from anywhere only to authorized 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.
- 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                            | CI- 6 Plus                                                                              | CI-10 Plus       | CI-12 Plus       | CI-16 Plus        | CI-19 Plus        | CI-28 Plus        | CI-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) | 600 x 455 x 735                                                                         | 600 x 455 x 1030 | 600 x 455 x 1360 | 660 x 655 x 1050  | 660 x 655 x 1250  | 800 x 800 x 1250  | 800 x 800 x 1580  |
| External Dimensions (WxDxH) (mm) | 740 x 780 x 1305                                                                        | 740 x 780 x 1600 | 740 x 780 x 1930 | 800 x 1095 x 1620 | 800 x 1095 x 1820 | 960 x 1370 x 1950 | 960 x 1370 x 2270 |
| Temperature range & Accuracy     | 5°C to 60°C, $\pm 0.5^{\circ}\text{C}$                                                  |                  |                  |                   |                   |                   |                   |
| Temperature Control              | Microprocessor with PT-100 sensor                                                       |                  |                  |                   |                   |                   |                   |
| Display                          | 1" - 7 Segment, Big Size LED                                                            |                  |                  |                   |                   |                   |                   |
| Power Failure Alarm              | Visual                                                                                  |                  |                  |                   |                   |                   |                   |
| Door Open Alarm                  | Audio Visual, in case door open for over one minute                                     |                  |                  |                   |                   |                   |                   |
| Temperature Variation Alarm      | Set Temperature $\pm 2^{\circ}\text{C}$ , Audio Visual                                  |                  |                  |                   |                   |                   |                   |
| 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-02                                                                                   | VS-02            | VS-02            | VS-03             | VS-03             | VS-06             | VS-06             |

Supply: 220-240, 50Hz Single Phase

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