Orbital Shaking Incubators

REMI Refrigerated Orbital Shaking Incubators are designed for precise temperature control and simultaneous shaking applications in fermentation studies, enzyme reaction, life sciences, tissue culture and biotechnology, research labs. **These chambers are available in standard & GMP versions.**

CIS-24 Plus

Salient Features :

- 4" LCD Display
- Brushless induction Motor with variable frequency drive ensures gentle shaking start
- Counter balanced mechanism for high stability
- Universal Shaking Platform
- Powerful fan motor for forced air circulation
- Machine filled CFC free PUF insulation
- Unique design of thermal barrier
- Port for calibration probes / safety back up
- Additional tray to store samples with Weight carrying capacity of 30 Kg Uniformly distributed
- CFC free refrigerantion system
- High temperature safety cut off & alarms for high / low set temperature
- Electrical circuit breaker
- Smart Handle with LED door closure indication

Optional:

- Touch screen display
- Chamber illumination with 2 Nos. fluorescent
- tubes
- Chamber illumination with 2 Nos. ultra violet lights
- 24 hours Cyclic Timer for regulating illumination conditions
- **REMI Datasoft Pro**' software complying to 21 CFR part 11 as per USFDA Guidelines

Display options for Orbital Shaking 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 • 9 Program Memory

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 (Programable 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• 9 Program Memory

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

Orbital Shaking 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	**CIS-24 Plus**
Temperature Range & Accuracy	5°C to 60°C, ± 0.5°C
Internal Volume (Litres)	215
Platform Size	580mm x 600mm
Maximum Shaking Capacity (Volume x No. of flasks)*	49 x 100/150ml, 33 x 250ml, 24 x 500ml, 15 x 1000ml, 9 x 2000 ml
Shaking Speed range (RPM)	20 to 250
Shaking Amplitude	25 mm
Internal Dimensions (WxDxH) (mm)	660 x 765 x 650
External Dimensions (WxDxH) (mm)	800 x 1150 x 1300
Temperature Control	Microprocessor with PT-100 sensor
Display	4" LCD Screen, Large size Display for ease of reading
Power Failure Alarm	Audio Visual Alarm
Door OpenAlarm	Audio Visual, in case door open for over one minute
Temperature Variation Alarm	Set Temperature ± 2°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
Noise Level	Less Than 65 db(A)
Recommended Voltage Stabilizer	VS-02
Supply: 220-240 Volts 50 Hz Single Phase.	

* Clamps to be ordered separately

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