



Ultra Low Deep Freezers (-86°C)

REMI's new range of Ultra-Low Temperature (ULT) freezers are specially designed for faster temperature pull down & optimized cryopreservation. Highly sensitive microprocessor control ensures precise temperature management at -86°C. **These cabinets are available in standard & GMP versions.**



ULT-185

Salient Features :

- 4" LCD Display
- Optimized compressor run ensures energy efficiency
- Hot line across the door assembly to prevent frost formation
- Efficient CFC free dual refrigeration system
- Quadruplicate step silicon rubber gasket
- Independent internal foamed doors with plastic handle
- Smart Handle with LED door closure indication
- Port for calibration probes / safety back up
- Audio Visual alarms for: 1) Temperature high / low 2) Power failure 3) Door Open 4) Compressor on (only visual) 5) Power on (only visual)
- Settable points of Temperature high / low
- Weight carrying capacity of each tray : 30 Kg
- Vacuum Release Valve for easy door opening.

Optional:

- 7" Color Touch Screen Display
- Biometrics Magnetic Door Access for Secured Door opening with software to maintain log
- Seven days circular chart recorder
- **REMI Datasoft Pro'** software complying to 21 CFR part 11 as per USFDA Guidelines

Display options for Ultra Low Deep Freezers (-86°C)

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





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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	ULT-90	ULT - 185	ULT - 360	ULT-490	ULT-650
Internal Volume (Litres)	90	185	360	490	650
Number of trays	2	3	6	6	7
Number of Internal Doors	2	3	4	4	4
Internal Dimensions (WxDxH) (mm)	400 x 400 x 580	510 x 510 x 730	700 x 575 x 1000	700 x 700 x 1000	825 x 700 x 1132
External Dimensions (WxDxH) (mm)	711 x 877 x 1405	820 x 987 x 1560	1010 x 880 x 1830	1010 x 987 x 1890	1130 x 998 x 1940
Operating Temperature Range	-45°C to -86°C				
Insulation (CFC free polyurethane foam)	150mm Thick				
Temperature Control	Microprocessor with PT-100 sensor				
Display	4" LCD				
Power Failure Alarm	Audio Visual Alarm				
Door Open Alarm	Audio Visual Alarm in case door open for over one minute				
Internal Body Material	S.S. 304 (AISI Grade, Non Corrosive, Non Magnetic)				
External Body Material	Powder Coated CRCA Steel				
Noise Level	Less Than 65 db(A)				
Battery Backup	Rechargeable, Back Up 8 hrs (for alarm system & temperature recorder)				
Recommended Voltage Stabilizer	VS-05	VS-06	VS-07	VS-07	VS-07

Supply: 220-240 Volts 50 Hz Single Phase.

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