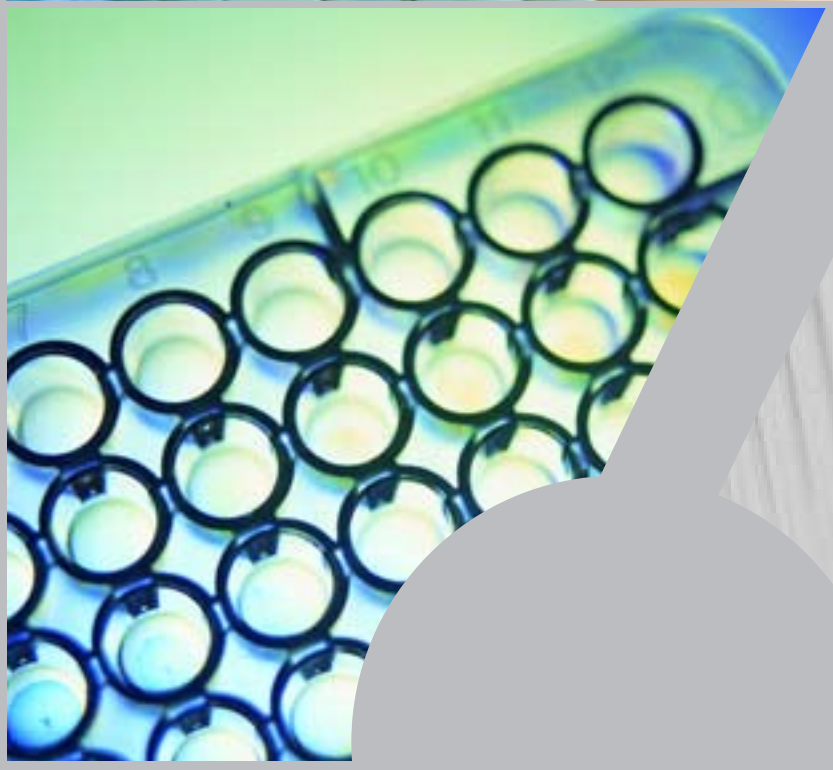


INCUBATORS & OVENS

varied usages in various research and r&d laboratories

INCUBATORS & OVENS

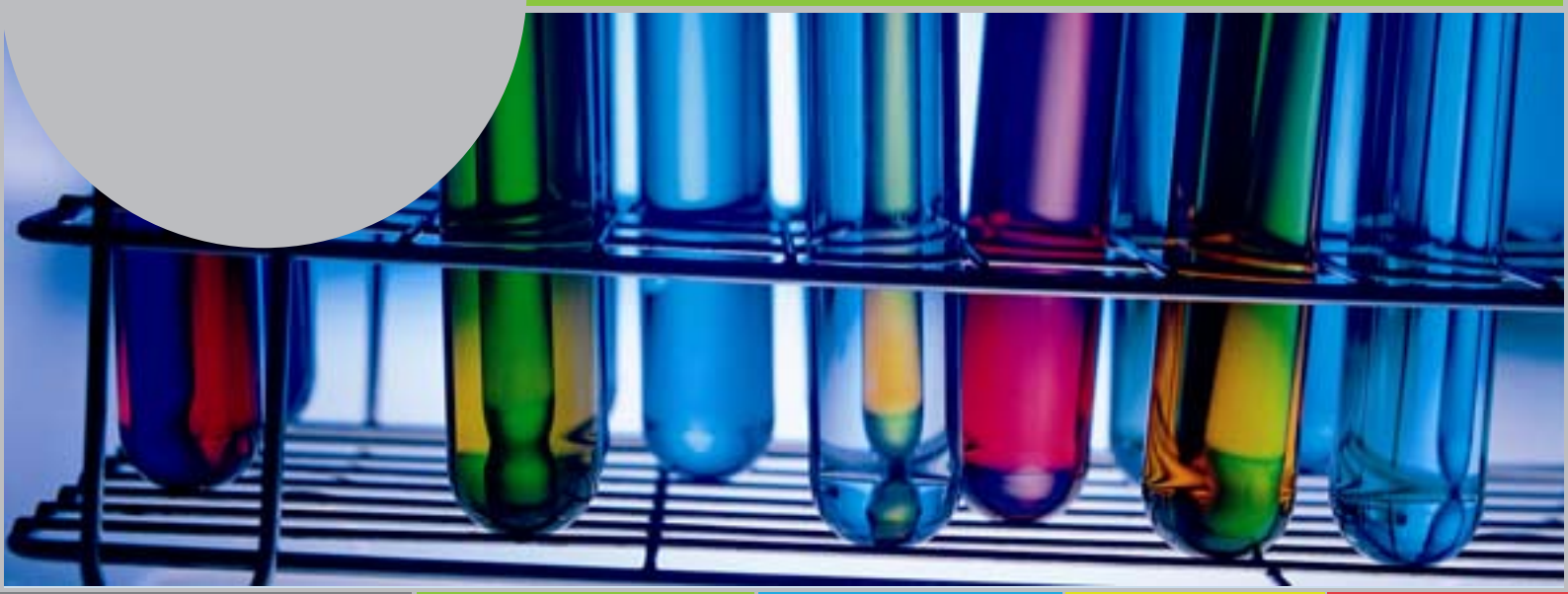
varied usages in various research and r&d laboratories

We are manufacturing weiber laboratory incubators and laboratory ovens for varied usages in various research and r&d laboratories across India. We are committed to provide international standard products at reasonable prices, working closely with the industry captains and leading scientists to continuously improve and enhance the quality, reliability and efficiency of our products by incorporating various inputs provided by them, from time to time.

We feel very extremely proud to declare that we have a strong presence in the domestic and overseas market and are indebted to our patrons for their help and valuable feedback, which has helped in improving our quality and efficiency during last two decades.

We are now regular **suppliers of laboratory incubators** and **manufacturers of laboratory ovens** to all major research organizations, government and private educational institutes, R & D laboratories of various renowned Indian and Multinational companies. We also specialize in customized lab incubator and customized lab oven.

We also cater to the vast export market overseas and are now considered to be established exporters of laboratory ovens, laboratory incubators, metabolic shakers and incubator shakers.



B.O.D INCUBATOR

varied usages in various research and r&d laboratories

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print our of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.

CONSTRUCTION

BOD Incubators are double walled convection heated units. Outer body of our incubators are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our bod incubators. The unit is provided with two doors , the inner door is made of thick plexi glass/float glass, to view the specimens without disturbing the temperature of the chamber. This door is provided with magnetic door closer. The outer door is made of mild steel sheet lined with stainless steel from inside.. This door is provided with lock and key arrangement. The unit is mounted on a sturdy steel frame and provided with cator wheels for easy movement inside the laboratory. The unit is provided with three stainless steel shelves. The triple walled back of our bod incubators are provided with two air circulation fans for uniform maintenance of the temperature throughout the chamber.

HEATING

Indirect heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

COOLING

An energy efficient cooling unit is installed in our bod incubators to enable bio chemical demand studies at lower room temperatures. We use ISI marked high end CFC free compressors of Kirloskar/Tecumseh make, conforming to latest international standards and guidelines.

TEMPERATURE RANGE

Temperature range of our standard BOD incubator models are 5o c to 60o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

TEMPERATURE SENSITIVITY

Temperature inside our BOD incubators are controlled with a sensitivity of + 0.5o c or better.

ILLUMINATION

Our units are provided with door operated illumination system comprising of fluorescent lights.

B.O.D. INCUBATOR

varied usages in various research and r&d laboratories

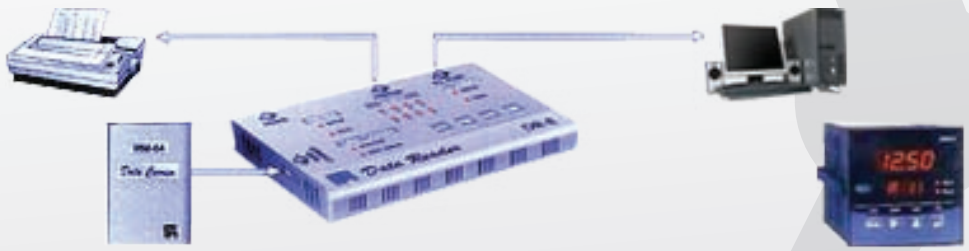
FRONT PANEL

Front panel of our units comprises of on/off switches heating, cooling and mains indicator lamps, temperature controllers and voltmeters.

Standard Models (Inner Dimensions) Diameter (mm) Height (mm) Volume (Liters) 250 mm 450 mm 22 ltrs 300 mm 500 mm 50 ltrs 350 mm 550 mm 78 ltrs 450 mm 600 mm 98 ltrs 550 mm 750 mm 152 ltrs

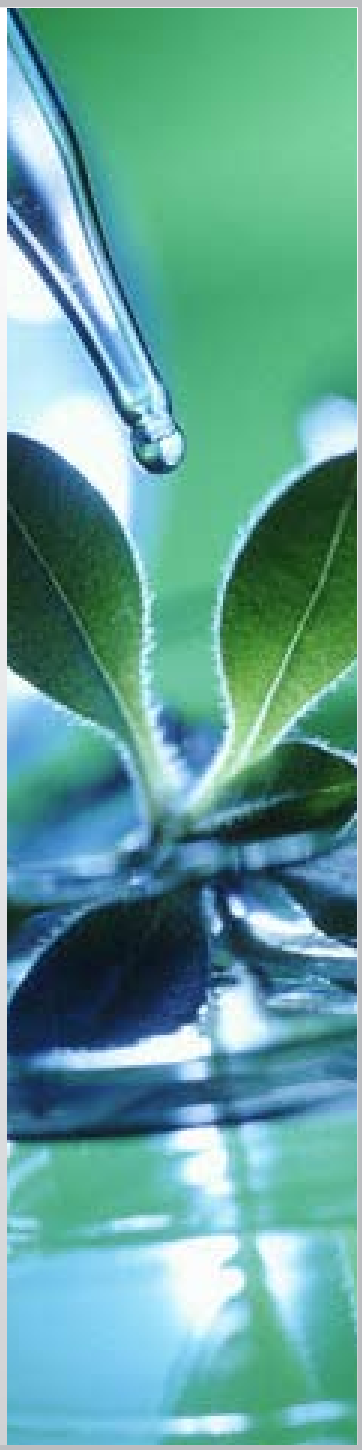
Note: The above mentioned sizes are of our standard vertical autoclave economy series. However we are fully capable to cater to the demand of any customized size for any special application.

UNIVERSAL DIGITAL DATA RECORDER WITH COMPUTER



DATA ACQUISITION AND CONTROL SYSTEM FOR BOD INCUBATORS

This is unique module which can be incorporated with our bod incubators to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.



STANDARD SIZES

	Inner Chamber	Capacity	Volume
A	455x610x410 mm	4.0 Cu.ft.	112 Ltrs.
B	505x830x415 mm	6.1 Cu.ft.	171 Ltrs.
C	570x875x550 mm	10 Cu.ft.	280 Ltrs.
D	650x900x550 mm	12 Cu.ft.	336 Ltrs.

SALIENT FEATURES OF BOD INCUBATOR

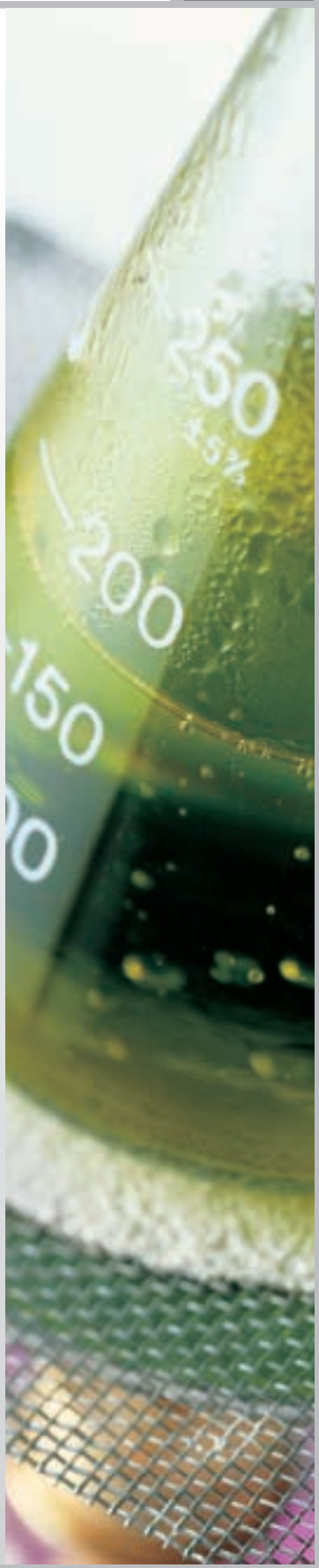
- ☑ Versatile Usage
- ☑ CFC Free Cooling
- ☑ Ergonomic Design
- ☑ Long Life
- ☑ Energy Efficient
- ☑ Low Maintenance
- ☑ Calibration & Protocol Documentation

B.O.D. INCUBATOR

varied usages in various research and r&d laboratories

TECHNICAL MATRIX FOR B.O.D. INCUBATOR

TEMPERATURE CONTROL		
Temperature Sensitivity	± °C	0.5 or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.51
Temperature range	°C	5°C to 60°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		Solid State digital Controller/PID optional
Display		LED/LCD
Adjustable alarm limits		Optional With PID controller only.
SAFETY THERMOSTATS		
Temperature variation Adjustments		3 (With PID Controllers only)
Temperature Sensors		PT-100
Automatic temperature setting		Yes (With PID Controllers only)
Adjustable limits		Yes (With PID Controllers only)
LIGHT CONTROL		
Readability or Set ability	%	10% (optional feature)
Light intensity (Middle chamber)	Lux	As Desired (optional feature)
Light intensity (Both Sides)	Lux	As Desired (optional feature)
ACCESSORIES		
De-icing module		optional
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
SHELVES		
Standard		3
Internal Dimensions	mm	Model Specific
Maximum Permitted load per shelf	kg	25 Kg
Maximum Permitted total load	kg	75 Kg
ACCESSORIES		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
Castors, lockable		Yes
POWER CONSUMPTION		
Nominal power	W	600 - 1250
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50



BACTERIOLOGICAL INCUBATOR

varied usages in various research and r&d laboratories

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print our of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.

CONSTRUCTION

Bacteriological Incubators are double walled convection heated units. Outer body of our incubators are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our bacteriological incubators. The unit is mounted on a sturdy steel frame and provided with castor wheels (Large Sized Models Only) for easy movement inside the laboratory. The unit is provided with one to three stainless steel shelves (As per the inner size).

HEATING

ndirect heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

TEMPERATURE RANGE

Temperature range of our standard bacteriological incubator models are 5o c above ambient temperature to 70o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

TEMPERATURE SENSITIVITY

Temperature inside our BOD incubators are controlled with a sensitivity of + 0.5o c or better.

FRONT PANEL

Front panel of our units comprises of on/off switches heating and mains indicator lamps, temperature controllers/Thermostat

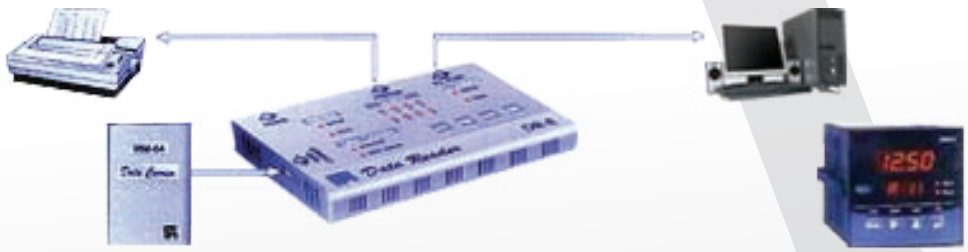
TEMPERATURE CONTROL

The temperature inside our bacteriological incubator is controlled either through hydraulic type german thermostat (Sensitivity + 2o c) or through solid state or micro-processor based temperature controllers cum indicators.

BACTERIOLOGICAL INCUBATOR

varied usages in various research and r&d laboratories

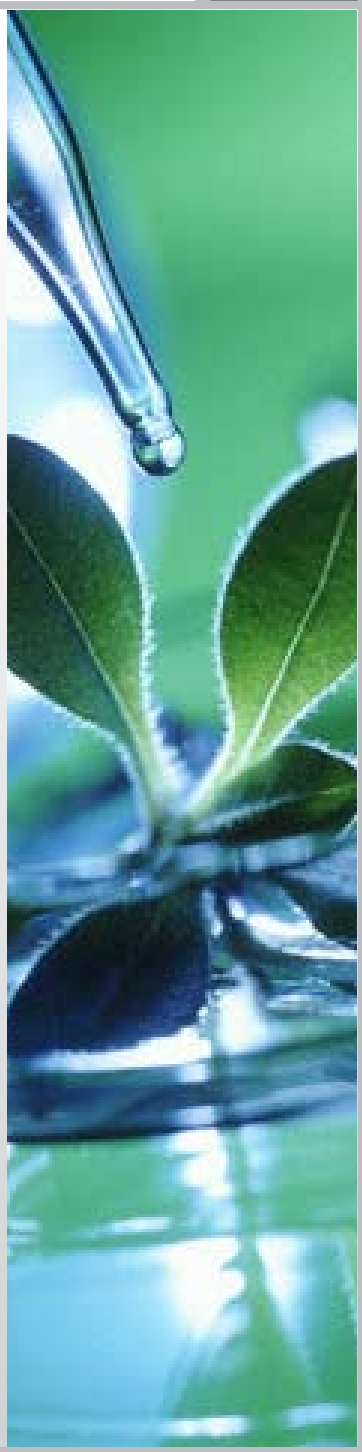
UNIVERSAL DIGITAL DATA RECORDER WITH COMPUTER



DATA ACQUISITION AND CONTROL SYSTEM FOR BACTERIOLOGICAL INCUBATORS

This is unique module which can be incorporated with our bod incubators to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

Inner Chamber (W x D x H)		Volume (Liters)
A	355x355x355 mm	45 Ltrs.
B	455x455x455 mm	95 Ltrs.
C	455x455x605 mm	125 Ltrs.
D	605x605x605 mm	224 Ltrs.
E	605x455x910 mm	252 Ltrs.
F	605x605x910 mm	336 Ltrs.



SALIENT FEATURES OF BACTERIOLOGICAL INCUBATOR

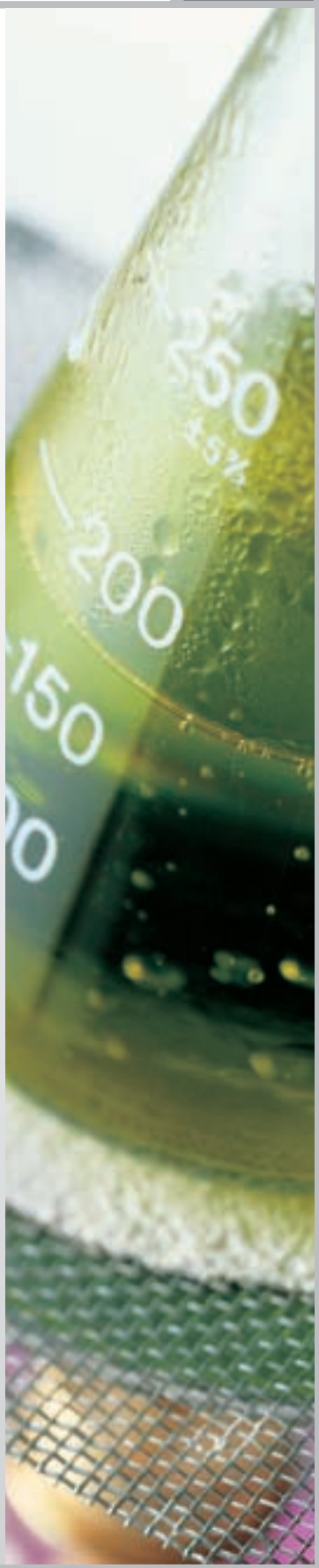
- ☑ Versatile Usage
- ☑ Long Life
- ☑ Ergonomic Design
- ☑ Low Maintenance
- ☑ Energy Efficient
- ☑ Calibration & Protocol Documentation

BACTERIOLOGICAL INCUBATOR

varied usages in various research and r&d laboratories

TECHNICAL MATRIX FOR BACTERIOLOGICAL INCUBATOR

TEMPERATURE CONTROL		
Temperature Sensitivity	± °C	0.5 or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.51
Temperature range	°C	5°C above ambient to 70°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		Solid State digital Controller/PID optional
Display		LED/LCD
Adjustable alarm limits		Optional With PID controller only.
SAFETY THERMOSTATS		
Temperature variation Adjustments		3 (With PID Controllers only)
Temperature Sensors		PT-100
Automatic temperature setting		Yes (With PID Controllers only)
Adjustable limits		Yes (With PID Controllers only)
LIGHT CONTROL		
Readability or Set ability	%	10% (optional feature)
Light intensity (Middle chamber)	Lux	As Desired (optional feature)
Light intensity (Both Sides)	Lux	As Desired (optional feature)
ACCESSORIES		
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
SHELVES		
Standard		1/23 (Size Specific)
Internal Dimensions	mm	Model Specific
Maximum Permitted load per shelf	kg	25 Kg
Maximum Permitted total load	kg	75 Kg
ACCESSORIES		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
Castors, lockable		Yes
POWER CONSUMPTION		
Nominal power	W	600 - 1250
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50



CARBON DI OXIDE INCUBATOR

varied usages in various research and r&d laboratories

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print our of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.

CONSTRUCTION

Weiber **CO2 Incubator (Carbon Di Oxide Incubator)** are double walled convection heated units. Outer body of our incubators are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our CO2 incubators (Carbon Di Oxide Incubators) The unit is provided with two doors, the inner door is made of thick plexi glass/float glass, to view the specimens without disturbing the temperature of the chamber. This door is provided with magnetic door closer. The outer door is made of mild steel sheet lined with stainless steel from inside. This door is provided with lock and key arrangement. The unit is mounted on a sturdy steel frame and provided with cator wheels for easy movement inside the laboratory. The unit is provided with two stainless steel shelves. The triple walled back of our CO2 incubators are provided with two air circulation fans for uniform maintenance of the temperature throughout the chamber.

HEATING

Indirect heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

TEMPERATURE RANGE

Temperature range of our standard bacteriological incubator models are 5o c above ambient temperature to 70o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

TEMPERATURE SENSITIVITY

Temperature inside our bacteriological incubators are controlled with a sensitivity of + 0.5° c or better.

ILLUMINATION

Our units are provided with door operated illumination system comprising of fluorescent lights.

TEMPERATURE CONTROL

Front panel of our units comprises of on/off switches heating, cooling and mains indicator lamps, temperature controllers and voltmeters.

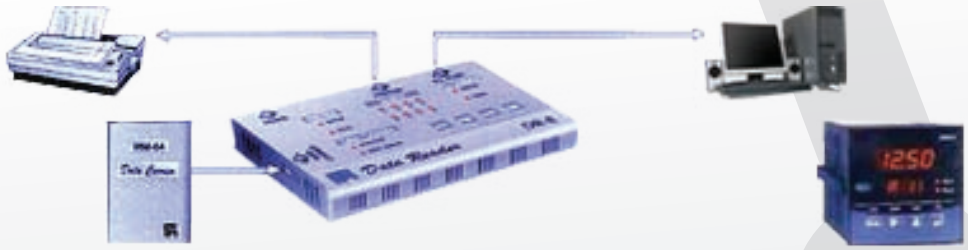
CARBON DI OXIDE INCUBATOR

varied usages in various research and r&d laboratories

FRONT PANEL

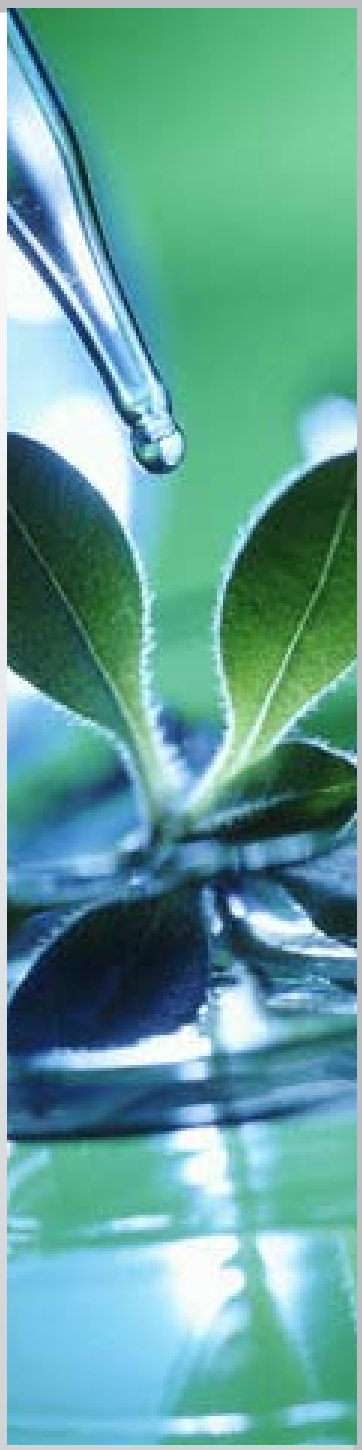
Front panel of our units comprises of on/off switches heating and mains indicator lamps, temperature controllers/Thermostat

UNIVERSAL DIGITAL DATA RECODER WITH COMPUTER



DATA ACQUISITION AND CONTROL SYSTEM FOR CARBON DI-OXIDE INCLUBATOR

This is unique module which can be incorporated with our bod incubators to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.



STANDARD SIZES

	Inner Chamber (W x D x H)	Capicity	Volume
A	455x610x410 mm	4.0 Cu.ft	112 Ltrs
B	505x830x415 mm	6.1 Cu.ft	171 Ltrs

SALIENT FEATURES OF CARBON DI OXIDE INCUBATOR

- ☑ Reliable
- ☑ CFC Free Cooling
- ☑ Calibration & Protocol Documentation
- ☑ Aesthetically Designed.
- ☑ Long Life
- ☑ Energy Efficient
- ☑ Low Maintenance

CARBON DI OXIDE INCUBATOR

varied usages in various research and r&d laboratories

TECHNICAL MATRIX FOR CARBON DI OXIDE INCUBATOR

TEMPERATURE CONTROL		
Temperature Sensitivity	± °C	0.5 or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.51
Temperature range	°C	5°C above ambient to 70°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		Solid State digital Controller/PID optional
Display		LED/LCD
Adjustable alarm limits		Optional With PID controller only.
Water quality		Distilled/Ionized
SAFETY THERMOSTATS		
Temperature variation Adjustments		3 (With PID Controllers only)
Temperature Sensors		PT-100
Automatic temperature setting		Yes (With PID Controllers only)
Adjustable limits		Yes (With PID Controllers only)
LIGHT CONTROL		
Readability or Set ability	%	10% (optional feature)
Light intensity (Middle chamber)	Lux	As Desired (optional feature)
Light intensity (Both Sides)	Lux	As Desired (optional feature)
ACCESSORIES		
de-icing module		optional
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
Water reservoir	litres	18 ltr
SHELVES		
Standard		3
Internal Dimensions	mm	Model Specific
Maximum Permitted load per shelf	kg	25 Kg
Maximum Permitted total load	kg	75 Kg
ACCESSORIES		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
Castors, lockable		Yes
POWER CONSUMPTION		
Nominal power	W	950
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50

WALK IN INCUBATOR

varied usages in various research and r&d laboratories

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print our of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.

CONSTRUCTION

Walk In Incubator are double walled convection heated and cooled units. Outer body of our incubators are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade or anodized aluminum sheet or G.I. (as per the customer's requirements). The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our walk in incubators

The unit is provided with two doors , the inner door is made of thick plexi glass/float glass, to view the specimens/culture media/stocks, without disturbing the temperature of the chamber. This door is provided with magnetic door closer. The outer door is made of mild steel sheet lined with stainless steel from inside.. This door is provided with lock and key arrangement. The unit is mounted on a sturdy steel frame The unit is provided with various customized shelves in various permutations and combinations to suit individual

HEATING

Indirect heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

COOLING

An energy efficient cooling unit is installed in our carbon dioxide Incubators to enable bio chemical demand studies at lower room temperatures. We use ISI marked high end CFC free compressors of Kirloskar/Tecumseh make, conforming to latest international standards and guidelines.

HUMIDITY

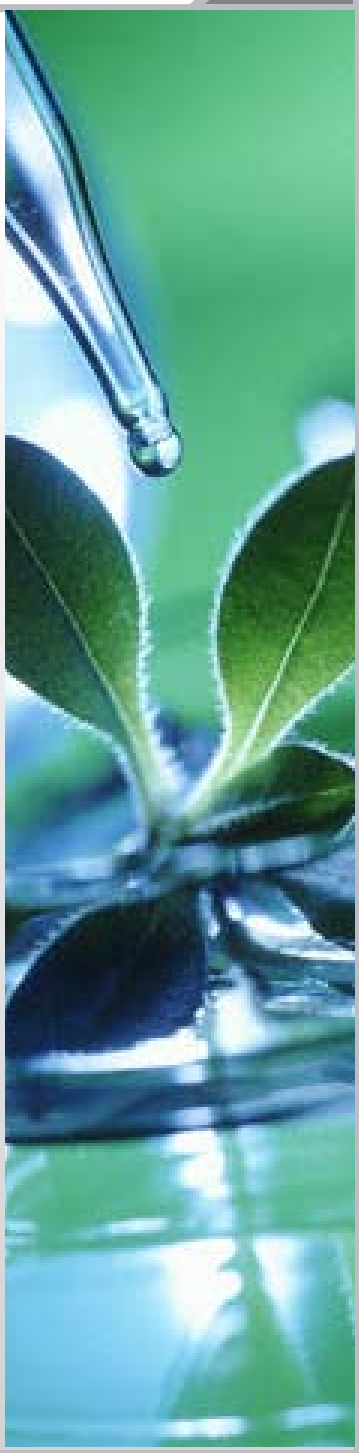
Humidity generation provision can be incorporated as an optional feature if desired by the customer. The humidity is generated by means of aerosol humidity generator with efficient humidity controller cum indicator.

HUMIDITY RANGE

From Ambient to 90% (As per the temperature Requirements).

WALK IN INCUBATOR

varied usages in various research and r&d laboratories



HUMIDITY SENSIVITY

Humidity is controlled by mean of an electronic humidity controller cum indicator with an accuracy of + 7%

TEMPERATURE CONTROL

The temperature inside our walk in incubator is controlled through programmable micro-processor based temperature controller cum indicator.

TEMPERATURE SENSITIVITY

Temperature inside our carbon dioxide Incubators are controlled with a sensitivity of + 0.5o c or better.

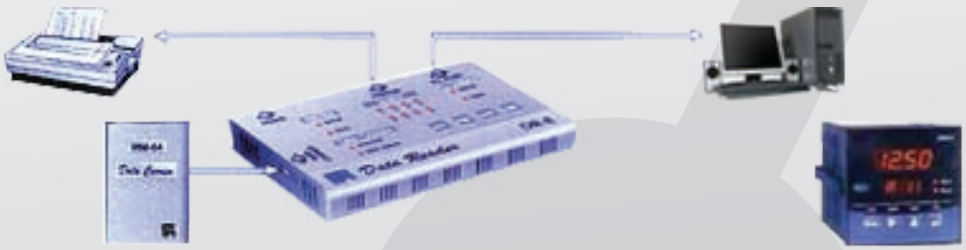
ILLUMINATION

Our units are provided with door operated illumination system comprising of fluorescent lights.

FRONT PANEL

Front panel of our units comprises of on/off switches heating, cooling and mains indicator lamps, temperature controllers and voltmeters.

UNIVERSAL DIGITAL DATA RECODER WITH COMPUTER



DATA ACQUISITION AND CONTROL SYSTEM FOR WALK IN INCUBATOR

This is unique module which can be incorporated with our bod incubators to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

SALIENT FEATURES OF WALK IN INCUBATOR

- ☑ Reliable
- ☑ Energy Efficient
- ☑ Low Maintenance
- ☑ Aesthetically Designed
- ☑ CFC Free Cooling
- ☑ Calibration & Protocol Documentation
- ☑ Corrosion Resistant
- ☑ Long Life

WALK IN INCUBATOR

varied usages in various research and r&d laboratories

TECHNICAL MATRIX FOR WALK IN INCUBATOR

TEMPERATURE CONTROL		
Temperature Sensitivity	± °C	0.5 or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.51
Temperature range	°C	2°C to 90°C /5°C above ambient to 90°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		Solid State digital Controller/PID optional
Display		LED/LCD
Adjustable alarm limits		Optional With PID controller only.
Water quality		Distilled/Ionized
SAFETY THERMOSTATS		
Temperature variation Adjustments		3 (With PID Controllers only)
Temperature Sensors		PT-100
Automatic temperature setting		Yes (With PID Controllers only)
Adjustable limits		Yes (With PID Controllers only)
LIGHT CONTROL		
Readability or Set ability	%	10% (optional feature)
Light intensity (Middle chamber)	Lux	As Desired (optional feature)
Light intensity (Both Sides)	Lux	As Desired (optional feature)
ACCESSORIES		
de-icing module		optional
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
Water reservoir	litres	18 ltr
SHELVES		
Standard		3
Internal Dimensions	mm	Model Specific
Maximum Permitted load per shelf	kg	25 Kg
Maximum Permitted total load	kg	75 Kg
ACCESSORIES		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
Castors, lockable		Yes
POWER CONSUMPTION		
Nominal power	W	950
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50

INCUBATOR SHAKER

varied usages in various
research and r&d laboratories

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print our of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.

CONSTRUCTION

Our Incubator Shakers are double walled convection heated and cooled units. Outer body of our incubator shakers are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our incubator shakers.

The unit is provided with two doors , the inner door is made of thick plexi glass/float glass, to view the specimens without disturbing the temperature of the chamber. This door is provided with magnetic door closer. The outer door is made of mild steel sheet lined with stainless steel from inside.. This door is provided with lock and key arrangement. The unit is mounted on a sturdy steel frame and provided with castor wheels for easy movement inside the laboratory. The unit is provided with two/three stainless steel shelves. The triple walled back of our incubator shakers are provided with two air circulation fans for uniform maintenance of the temperature throughout the chamber.

SHAKING PLATFORM

The standard model of our orbital shaker has a plat form size of 500mm x 500mm and it can withhold 16-20 flasks of 250ml or 500 ml. However this can be modified to suit the individual customer's requirements.

SHAKING MACHINE

The efficient and diligent shaking system of our incubator shaker has a orbital shaking movement which is powered by a reliable crompton greaves motor of suitable power and wattage.
Shaking speed:

SHAKING SPEED

The shaking speed of our standard model variable speed incubator shaker is between 80 RPM to 400 RPM. However we can customize the speeds as per the individual requirements of the user.

SPEED CONTROL

The orbital shaking in our orbital shakers is controlled by a DC drive which in turn is controlled through micro processor based digital speed controller cum RPM indicator with great accuracy.

INCUBATOR SHAKER

varied usages in various
research and r&d laboratories

HEATING

Indirect heating system is provided in our incubator shakers, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

COLLING

An energy efficient cooling unit is installed in our incubator shaker to enable incubation and shaking of the specimens at lower room temperatures. We use ISI marked high end CFC free compressors of Kirloskar/Tecumseh make, conforming to latest international standards and guidelines.

TEMPERATURE RANGE

Temperature range of our standard orbital shaker or Incubator shaker models are 5o c above ambient to to 70o c. and 5o c to 70o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

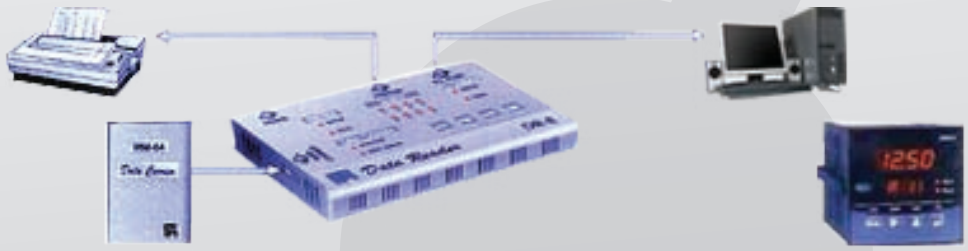
TEMPERATURE SENSITIVITY

Temperature inside our incubator shaker is controlled with a sensitivity of + 0.5o c or better.

ILLUMINATION

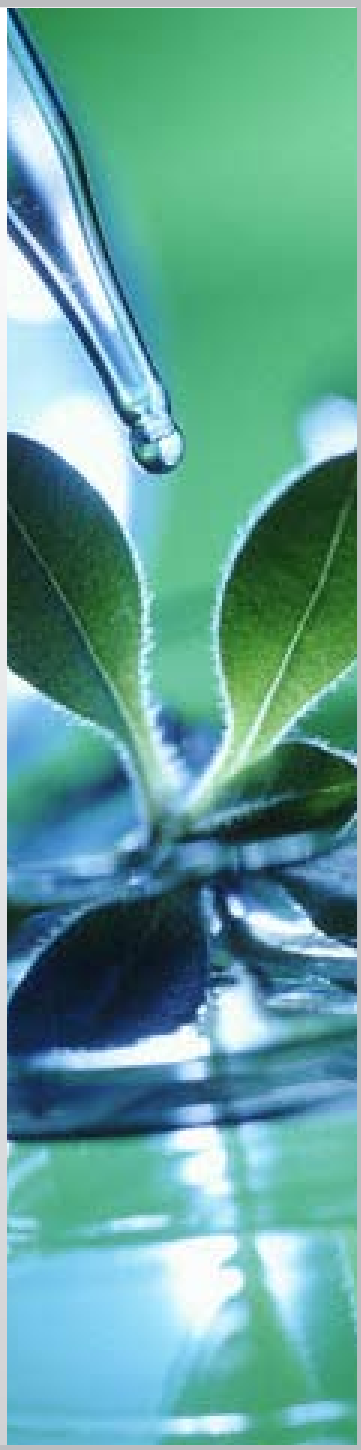
Our units are provided with door operated illumination system comprising of fluorescent lights.

UNIVERSAL DIGITAL DATA RECODER WITH COMPUTER



DATA ACQUISITION AND CONTROL SYSTEM FOR INCUBATOR SHAKER

This is unique module which can be incorporated with our orbital shaker to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment.



SALIENT FEATURES OF INCUBATOR SHAKER

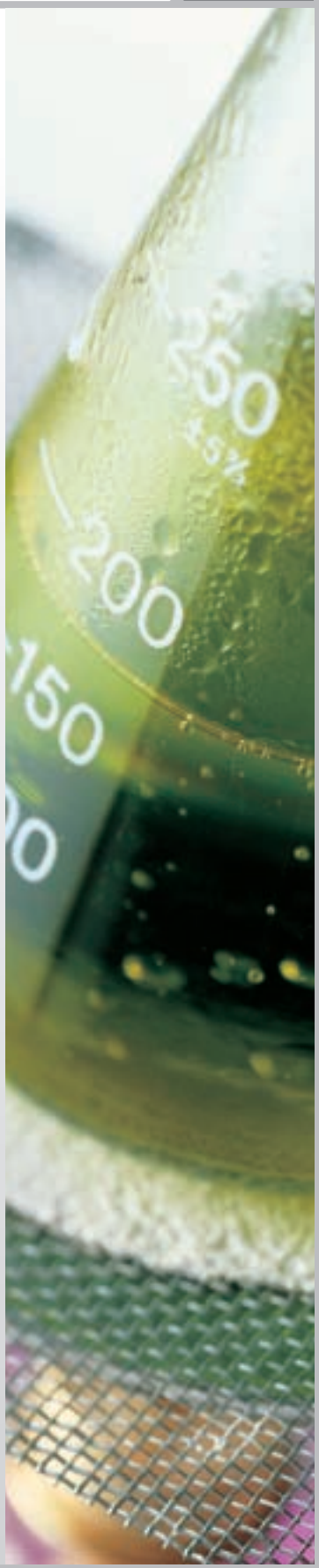
- ☑ Versatile Usage
- ☑ CFC Free Cooling
- ☑ Ergonomic Design
- ☑ Long Life
- ☑ Energy Efficient
- ☑ Low Maintenance
- ☑ Calibration & Protocol Documentation

INCUBATOR SHAKER

varied usages in various
research and r&d laboratories

TECHNICAL MATRIX FOR INCUBATOR SHAKER

TEMPERATURE CONTROL		
Temperature Sensitivity	± °C	0.5 or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.51
Temperature range	°C	5°C above ambient to 70°C/ 5°C to 70°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		Solid State digital Controller/PID optional
Display		LED/LCD
Adjustable alarm limits		Optional With PID controller only.
SAFETY THERMOSTATS		
Temperature variation Adjustments		3 (With PID Controllers only)
Temperature Sensors		PT-100
Automatic temperature setting		Yes (With PID Controllers only)
Adjustable limits		Yes (With PID Controllers only)
LIGHT CONTROL		
Readability or Set ability	%	10% (optional feature)
Light intensity (Middle chamber)	Lux	As Desired (optional feature)
Light intensity (Both Sides)	Lux	As Desired (optional feature)
ACCESSORIES		
de-icing module		optional
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
SHELVES		
Standard		01
Internal Dimensions	mm	Standard 500mm x 500mm or Model Specific
Maximum Permitted load per shelf	kg	20 Kg
Maximum Permitted total load	kg	25 Kg
ACCESSORIES		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
Castors, lockable		Yes
POWER CONSUMPTION		
Nominal power	W	1150
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50



METABOLIC SHAKER

varied usages in various
research and r&d laboratories

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print our of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.

CONSTRUCTION

Metabolic Shaker are double walled convection heated and cooled units. Outer body of our metabolic shakers are constructed out of thick stainless steel sheet combined with heavy gauge Perspex sheets. The unit is provided with top opening door/opening , made of thick plexi glass/float glass, to view the specimens without disturbing the temperature of the chamber. This door is provided with lock and key arrangement. The unit is mounted on a sturdy steel frame and provided with castor wheels for easy movement inside the laboratory. The unit is provided with one stainless steel shaking rack. Our metabolic shaker is provided with natural air convection mechanism to uniformly regulate the temperature of the inside chamber.

SHAKING PLATFORM

The standard model of our orbital shaker has a plat form size of 500mm x 500mm and it can withhold 16-flasks of 250ml or 500 ml. However this can be modified to suit the individual customer's requirements.

SHAKING SYSTEM

The efficient and diligent shaking system of our metabolic shaker has a orbital shaking movement which is powered by a reliable crompton greaves motor of suitable power and wattage.

SHAKING SPEED

The shaking speed of our standard model variable speed metabolic shaker is between 80 RPM to 400 RPM. However we can customize the speeds as per the individual requirements of the user.

SPEED CONTROL

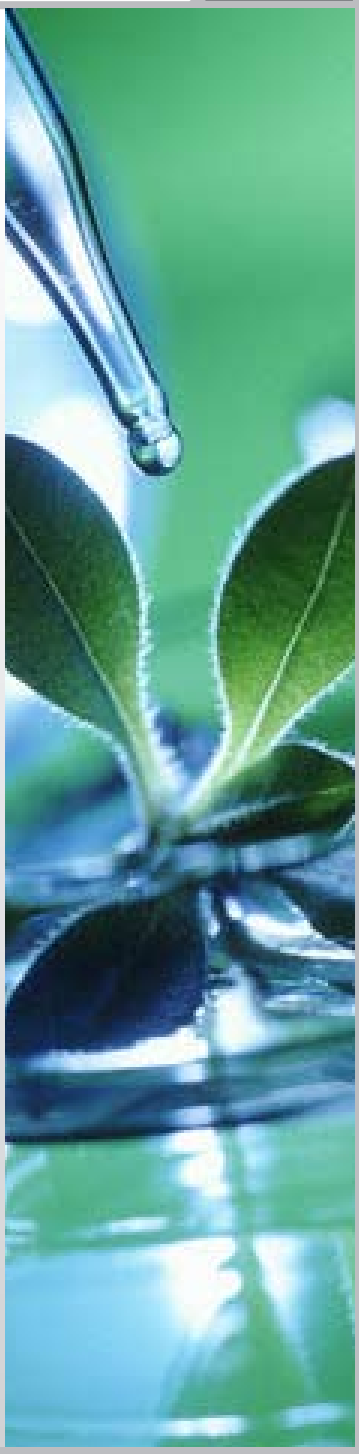
The orbital shaking in our metabolic shaker is controlled by a DC drive which in turn is controlled through micro processor based digital speed controller cum RPM indicator with great accuracy.

HEATING

Indirect heating system is provided in our metabolic shaker, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The warm air is evenly distributed throughout the chamber through natural air convection mechanism, ensuring a very good temperature sensitivity.

METABOLIC SHAKER

varied usages in various
research and r&d laboratories



TEMPERATURE RANGE

Temperature range of our standard orbital shaker or Incubator shaker models are 5o c above ambient to to 70o c. and 5o c to 70o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

TEMPERATURE SENSITIVITY

Temperature inside our incubator shaker is controlled with a sensitivity of + 0.5o c or better.

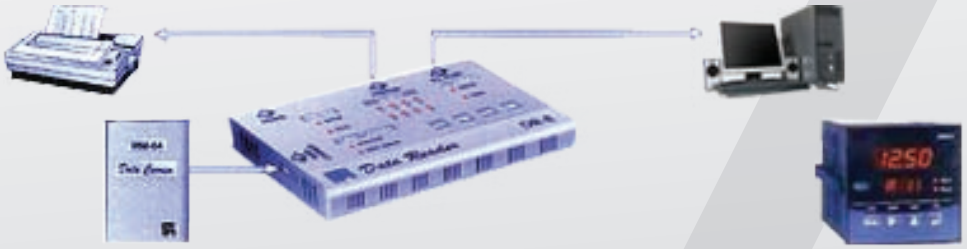
ILLUMINATION

Our units are provided with door operated illumination system comprising of fluorescent lights.

FRONT PANEL

Front panel of our units comprises of on/off switches heating, cooling and mains indicator lamps, temperature controllers and voltmeters.

UNIVERSAL DIGITAL DATA RECORDER WITH COMPUTER



DATA ACQUISITION AND CONTROL SYSTEM FOR METABOLIC SHAKER

This is unique module which can be incorporated with our metabolic shaker to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

SALIENT FEATURES OF METABOLIC SHAKER

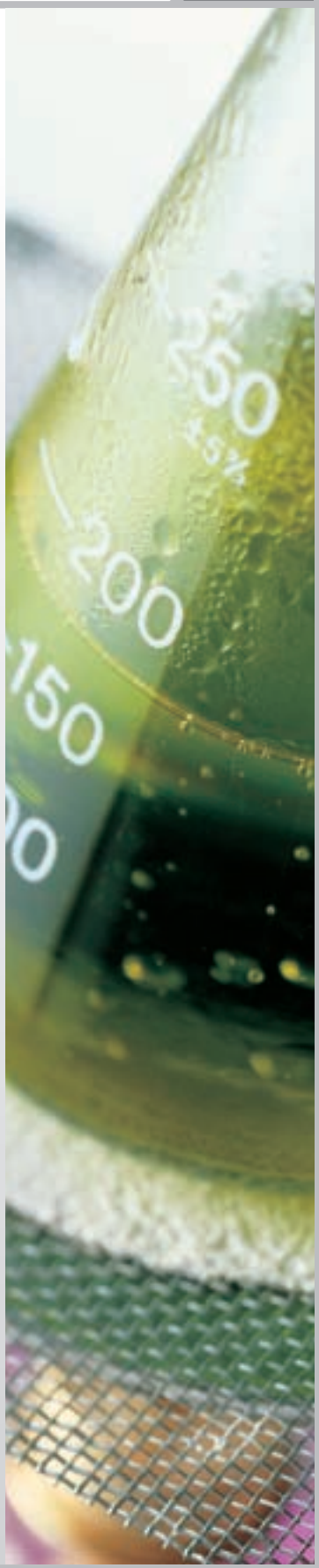
- ☑ Versatile Usage
- ☑ Long Life
- ☑ Ergonomic Design
- ☑ Low Maintenance
- ☑ Energy Efficient
- ☑ Calibration & Protocol Documentation

METABOLIC SHAKER

varied usages in various
research and r&d laboratories

TECHNICAL MATRIX FOR METABOLIC SHAKER

TEMPERATURE CONTROL		
Temperature Sensitivity	± °C	0.5 or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.1
Temperature range	°C	5°C above ambient to 70°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		Solid State digital Controller/PID optional
Display		LED/LCD
Adjustable alarm limits		Optional With PID controller only.
SAFETY THERMOSTATS		
Temperature variation Adjustments		3 (With PID Controllers only)
Temperature Sensors		PT-100
Automatic temperature setting		Yes (With PID Controllers only)
Adjustable limits		Yes (With PID Controllers only)
LIGHT CONTROL		
Readability or Set ability	%	10% (optional feature)
Light intensity (Middle chamber)	Lux	As Desired (optional feature)
Light intensity (Both Sides)	Lux	As Desired (optional feature)
ACCESSORIES		
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
SHELVES		
Standard		01
Internal Dimensions	mm	Standard 500mm x 500mm or Model Specific
Maximum Permitted load per shelf	kg	20 Kg
Maximum Permitted total load	kg	25 Kg
ACCESSORIES		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
Castors, lockable		Yes
POWER CONSUMPTION		
Nominal power	W	1150
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50



HOT AIR OVEN

varied usages in various
research and r&d laboratories

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print our of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.

CONSTRUCTION

Hot Air Oven are double walled convection heated units. Outer body of our hot air oven are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our laboratory ovens The unit is mounted on a sturdy steel frame and provided with castor wheels (Large Sized Models Only) for easy movement inside the laboratory. The unit is provided with one to three stainless steel shelves (As per the inner size).

HEATING

Indirect three side heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

TEMPERATURE RANGE

Temperature range of our standard laboratory oven models are 5o c above ambient temperature to 250o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

TEMPERATURE SENSITIVITY

Temperature inside our hot air ovens are controlled with a sensitivity of + 1o c or better.

FRONT PANEL

Front panel of our units comprises of on/off switches heating and mains indicator lamps, temperature controllers/Thermostat.

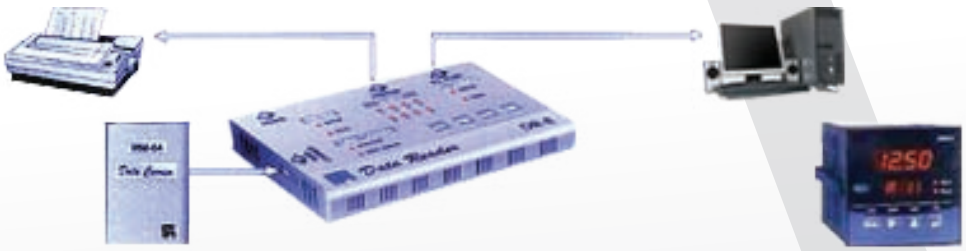
TEMPERATURE CONTROL

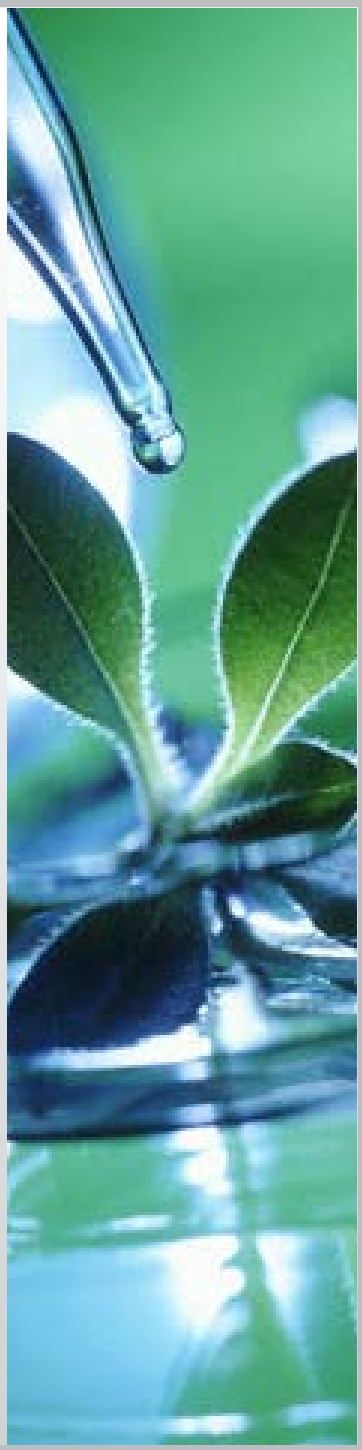
The temperature inside our laboratory oven is controlled either through hydraulic type german thermostat (Sensitivity + 1o c) or through solid state or micro-processor based temperature controllers cum indicators.

HOT AIR OVEN

varied usages in various
research and r&d laboratories

UNIVERSAL DIGITAL DATA RECORDER WITH COMPUTER





DATA ACQUISITION AND CONTROL SYSTEM FOR HOT AIR OVEN

This is unique module which can be incorporated with our laboratory oven to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential

STANDARD SIZES		
Inner Chamber (W x D x H)		Volume (leters)
A	300x300x300 mm	28 Ltrs.
B	355x355x355 mm	45 Ltrs.
C	455x455x455 mm	95 Ltrs.
D	605x605x605 mm	125 Ltrs.
E	605x605x605 mm	224 Ltrs.
F	605x455x910 mm	252 Ltrs.
G	605x605x910 mm	336 Ltrs.

SALIENT FEATURES OF HOT AIR OVEN

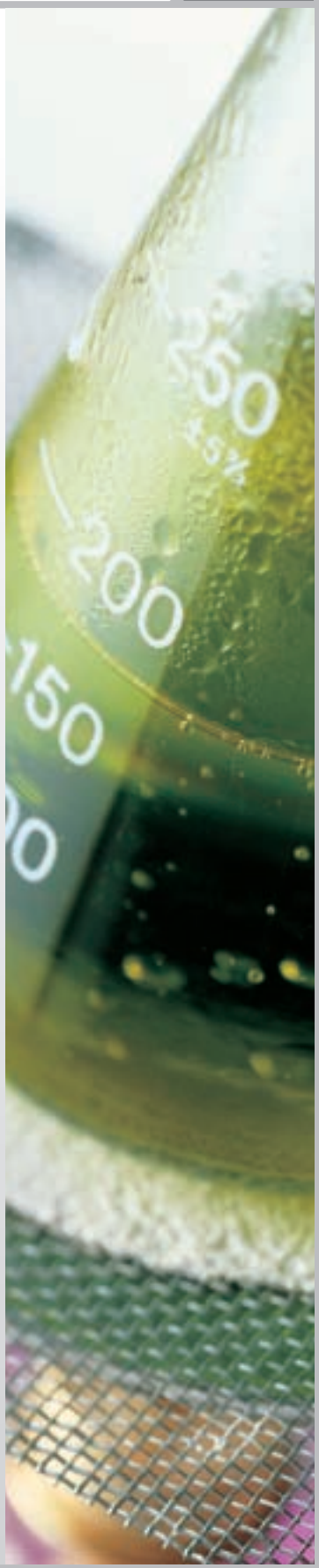
- ☑ Versatile Usage
- ☑ Long Life
- ☑ Ergonomic Design
- ☑ Low Maintenance
- ☑ Energy Efficient
- ☑ Calibration & Protocol Documentation

HOT AIR OVEN

varied usages in various
research and r&d laboratories

TECHNICAL MATRIX FOR HOT AIR OVEN

TEMPERATURE CONTROL		
Temperature Sensitivity	± °C	1o C or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.1
Temperature range	°C	5°C above ambient to 250°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		Hydraulic Thermostat/PID controller optional
Display		LED/LCD
Adjustable alarm limits		Optional With PID controller only.
SAFETY THERMOSTATS		
Temperature variation Adjustments		3 (With PID Controllers only)
Temperature Sensors		PT-100
Automatic temperature setting		Yes (With PID Controllers only)
Adjustable limits		Yes (With PID Controllers only)
LIGHT CONTROL		
Readability or Set ability	%	10% (optional feature)
Light intensity (Middle chamber)	Lux	As Desired (optional feature)
Light intensity (Both Sides)	Lux	As Desired (optional feature)
ACCESSORIES		
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
SHELVES		
Standard		1/2/3 (Size Specific)
Internal Dimensions	mm	Model Specific
Maximum Permitted load per shelf	kg	25 Kg
Maximum Permitted total load	kg	75 Kg
ACCESSORIES		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
Castors, lockable		Yes
POWER CONSUMPTION		
Nominal power	W	600 - 1250
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50



INDUSTRIAL DRYING OVEN

varied usages in various
research and r&d laboratories

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print our of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.

CONSTRUCTION

I**ndustrial Drying Oven** are double walled convection heated units. Outer body of our industrial drying oven are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our laboratory ovens

The unit is mounted on a sturdy steel frame and provided with castor wheels (Large Sized Models Only) for easy movement inside the laboratory. The unit is provided with one to sixteen stainless steel shelves (As per the inner size).

HEATING

Indirect three side heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

TEMPERATURE RANGE

Temperature range of our standard laboratory oven models are 5o c above ambient temperature to 350o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

TEMPERATURE SENSITIVITY

Temperature inside our hot air ovens are controlled with a sensitivity of + 1o c or better.

FRONT PANEL

Front panel of our units comprises of on/off switches heating and mains indicator lamps, temperature controllers/Thermostat

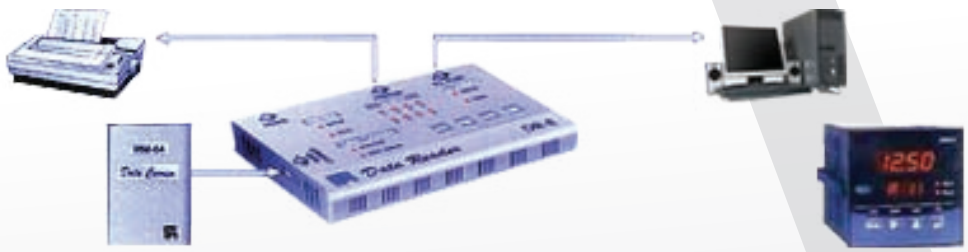
TEMPERATURE CONTROL

The temperature inside our laboratory oven is controlled either through hydraulic type german thermostat or (Sensitivity + 1o c) through solid state or micro-processor based temperature controllers cum indicators.

INDUSTRIAL DRYING OVEN

varied usages in various
research and r&d laboratories

UNIVERSAL DIGITAL DATA RECORDER WITH COMPUTER



DATA ACQUISITION AND CONTROL SYSTEM FOR INDUTRIAL DRYING OVEN

This is unique module which can be incorporated with our laboratory oven to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

STANDARD SIZES	
Inner Chamber (W x D x H)	
A	900x900x900 mm
B	1200x1200x1200
C	1200x1500x1200 mm
D	1500x1500x1500 mm
E	1800x1800x1800 mm

SALIENT FEATURES OF INDUSTRIAL DRYING OVEN

- ☑ Versatile Usage
- ☑ Long Life
- ☑ Ergonomic Design
- ☑ Low Maintenance
- ☑ Energy Efficient
- ☑ Calibration & Protocol Documentation

INDUSTRIAL DRYING OVEN

varied usages in various
research and r&d laboratories

TECHNICAL MATRIX FOR INDUSTRIAL DRYING OVEN

TEMPERATURE CONTROL		
Temperature Sensitivity	± °C	1o C or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.1
Temperature range	°C	5°C above ambient to 250°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		Hydraulic Thermostat/PID controller optional
Display		LED/LCD
Adjustable alarm limits		Optional With PID controller only.
SAFETY THERMOSTATS		
Temperature variation Adjustments		3 (With PID Controllers only)
Temperature Sensors		PT-100
Automatic temperature setting		Yes (With PID Controllers only)
Adjustable limits		Yes (With PID Controllers only)
LIGHT CONTROL		
Readability or Set ability	%	10% (optional feature)
Light intensity (Middle chamber)	Lux	As Desired (optional feature)
Light intensity (Both Sides)	Lux	As Desired (optional feature)
ACCESSORIES		
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
SHELVES		
Standard		(Size Specific)
Internal Dimensions	mm	Model Specific
Maximum Permitted load per shelf	kg	25 Kg
Maximum Permitted total load	kg	600 Kg
ACCESSORIES		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
Castors, lockable		Yes
POWER CONSUMPTION		
Nominal power	W	1250 -3650
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50

VACUUM OVEN ROUND

varied usages in various
research and r&d laboratories

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print our of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.

CONSTRUCTION

Vacuum Oven Round are double walled convection heated units. Outer body of our vacuum oven are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our vacuum oven.
The unit is mounted on a sturdy steel frame and provided with castor wheels (Large Sized Models Only) for easy movement inside the laboratory. The unit is provided with one stainless steel shelves .

HEATING

Indirect three side heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The temperature is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

TEMPERATURE RANGE

Temperature range of our standard vacuum oven models are 5o c above ambient temperature to 150o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

TEMPERATURE SENSITIVITY

Temperature inside our vacuum oven are controlled with a sensitivity of + 1o c or better.

FRONT PANEL

Front panel of our units comprises of on/off switches heating and mains indicator lamps, temperature controllers/Thermostat

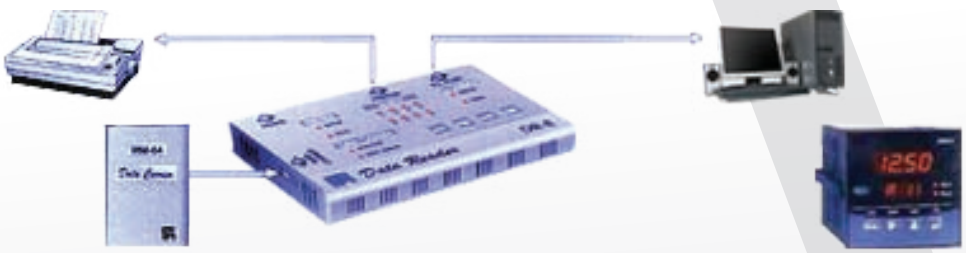
TEMPERATURE CONTROL

The temperature inside our vacuum oven is controlled either through hydraulic type german thermostat (Sensitivity + 1o c) or through solid state or micro-processor based temperature controllers cum indicators.

VACUUM OVEN ROUND

varied usages in various
research and r&d laboratories

UNIVERSAL DIGITAL DATA RECORDER WITH COMPUTER



DATA ACQUISITION AND CONTROL SYSTEM FOR VACUUM OVEN ROUND

This is unique module which can be incorporated with our vacuum oven to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

STANDARD SIZES	
Inner Chamber (W x D x H)	
A	200x200 mm
B	250 x 250 mm
C	250 x 300 mm
D	300 x 300 mm
E	300 x 500 mm

SALIENT FEATURES OF VACUUM OVEN ROUND

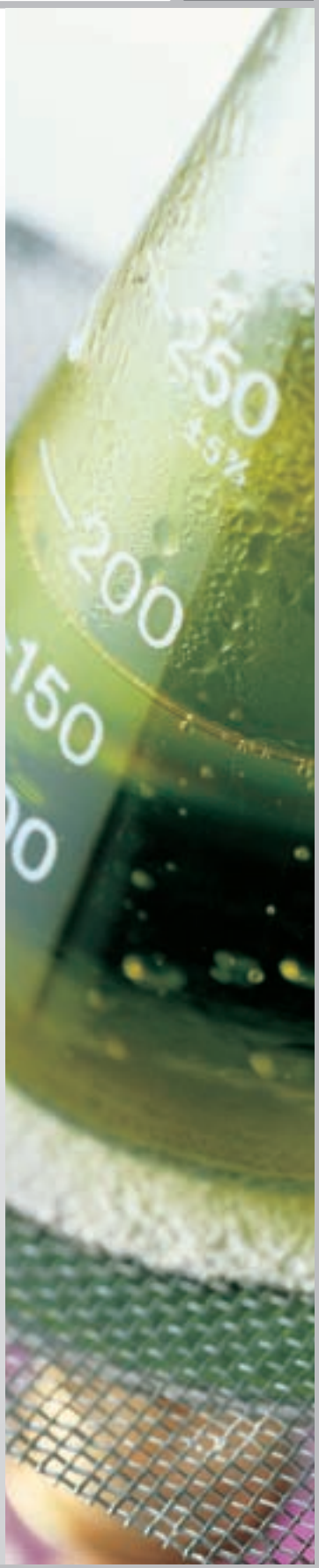
- ☑ Hi Tech Vacuum Oven Double Walled
- ☑ Inside Chamber Made Of Thick Stainless Steel SS-304
- ☑ Precise Vacuum Control: 28” (70.2 cm) Hg Displayed On Nalog Gauge
- ☑ Energy Efficient
- ☑ Low Maintenance
- ☑ Long Life
- ☑ Calibration & Protocol Documentation

VACUUM OVEN ROUND

varied usages in various
research and r&d laboratories

TECHNICAL MATRIX FOR VACUUM OVEN ROUND

TEMPERATURE CONTROL		
Temperature Sensitivity	± °C	1o C or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.1
Temperature range	°C	5°C above ambient to 250°C (Standard)
Temperature Sensor		PT-100
Temperature Controller		Hydraulic Thermostat/PID controller optional
Display		LED/LCD
Adjustable alarm limits		Optional With PID controller only.
SAFETY THERMOSTATS		
Temperature variation Adjustments		3 (With PID Controllers only)
Temperature Sensors		PT-100
Automatic temperature setting		Yes (With PID Controllers only)
Adjustable limits		Yes (With PID Controllers only)
ACCESSORIES		
Timer (999 mins)		optional
Program (Real Time)		optional
Data Acquisition Program		optional
Serial Port (Printer)	RS232C	optional
Inspection window in door		optional
SHELVES		
Standard		1
Internal Dimensions	mm	Model Specific
Maximum Permitted load per shelf	kg	25 Kg
Maximum Permitted total load	kg	25 Kg
ACCESSORIES		
Printer Report Program		optional
2 x 24 characters LCD Display		optional
Access Port 30 mm		optional
Castors, lockable		Yes
POWER CONSUMPTION		
Nominal power	W	600 - 950
Nominal voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50



VACUUM OVEN

RECTANGULAR

varied usages in various
research and r&d laboratories

FEATURES

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print our of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.

CONSTRUCTION

Vacuum Oven Rectangular are double walled convection heated units.Â Outer body of our vacuum oven are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated..Â The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade.Â The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our vacuum oven.

The unit is mounted on a sturdy steel frame and provided with castor wheels (Large Sized Models Only) for easy movement inside the laboratory.Â The unit is provided with one stainless steel shelves .

TEMPERATURE RANGE

Temperature range of our standard laboratory oven models are 5° c above ambient temperature to 150° c.Â However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

TEMPERATURE SENSITIVITY

Temperature inside our hot air ovens are controlled with a sensitivity of + 1° c or better.

FRONT PANEL

Front panel of our units comprises of on/off switches heating and mains indicator lamps, temperature controllers/Thermostat.

TEMPERATURE CONTROL

The temperature inside our laboratory oven is controlled either through hydraulic type german thermostat (Sensitivity + 1° c) or through solid state or micro-processor based temperature controllers cum indicators.

VACUUM OVEN
RECTANGULAR

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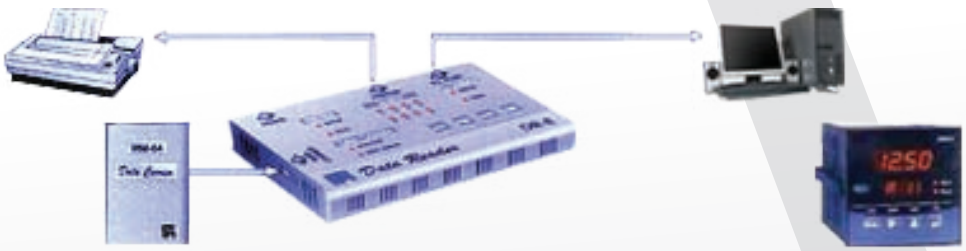
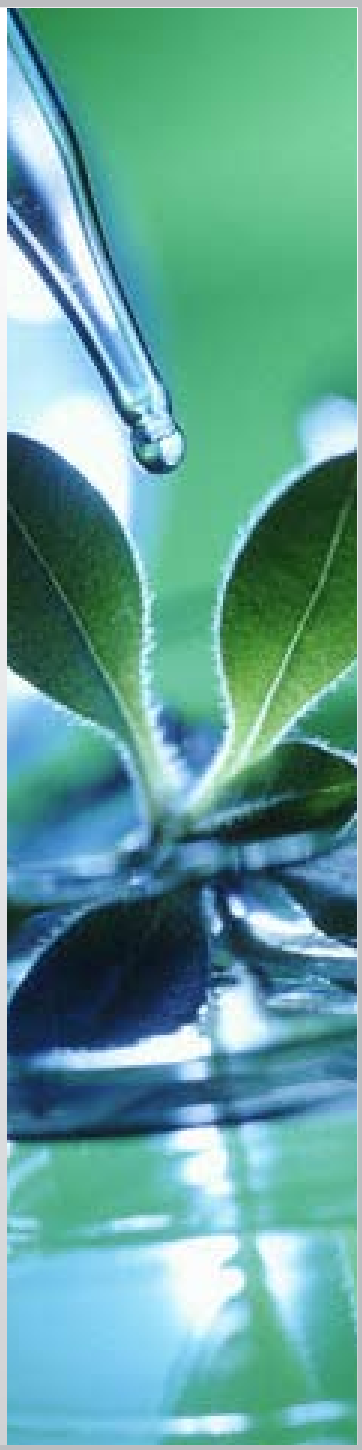
UNIVERSAL DIGITAL DATA RECORDER WITH COMPUTER





DATA ACQUISITION AND CONTROL SYSTEM FOR VACUUM OVEN RECTANGULAR

This is unique module which can be incorporated with our vacuum oven to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

STANDARD SIZES	
Useable Space	
A	200 x 200 x 200 mm
B	250 x 250 x 250 mm
C	250 x 300 x 250 mm
D	300 x 300 x 300 mm
E	300 x 500 x 300 mm

SALIENT FEATURES OF VACUUM OVEN RECTANGULAR

- ☑ Hi Tech Vacuum Oven Double Walledch
- ☑ Energy Efficient
- ☑ Low Maintenance
- ☑ Inside Chamber Made Of Thick Stainless Steel SS-304
- ☑ Long Life
- ☑ Calibration & Protocol Documentation
- ☑ Precise Vacuum Control: 28” (70.2 cm)Hg Displayed On Analog Gauge

VACUUM OVEN RECTANGULAR

varied usages in various research and r&d laboratories

TECHNICAL MATRIX FOR VACUUM OVEN RECTANGULAR

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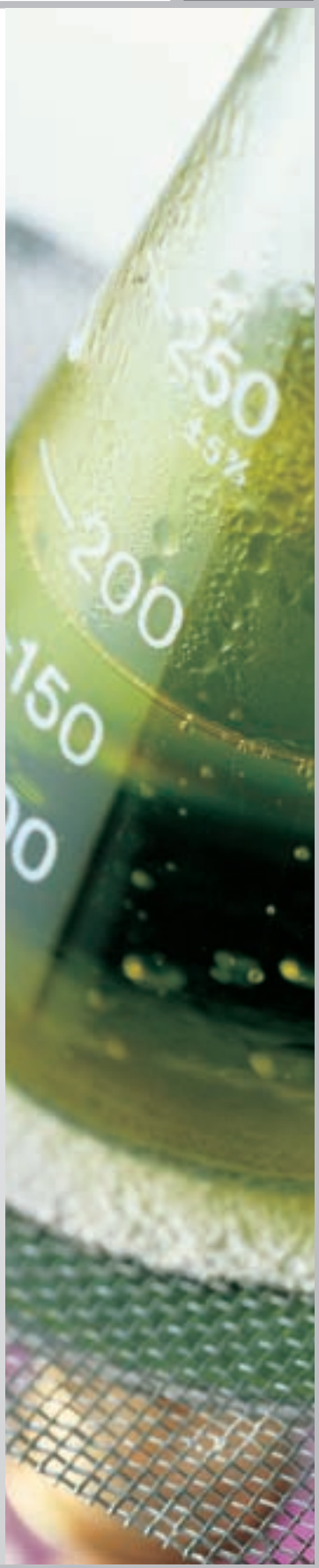

PROFILE

varied usages in various
research and r&d laboratories

Company Profile :

With over a decade of industry experience in manufacturing scientific laboratory instruments, we have established ourselves with the name of **ACMAS Technocracy (P) Ltd.** to provide highest quality instruments to laboratories, pathologies, entomologies, pharmaceuticals, research centers etc. We have successfully catered the needs of above 600 institutions in India and abroad for the last 22 years. The dedicated and cumulative efforts of ACMAS team members has produced and delivered the comprehensive range of scientific instruments and laboratory products

Company's Outlook :

ACMAS Technocracy (P) Ltd. enjoys an amazing image for high quality scientific laboratory instruments across the globe. The continuous innovative technology and 'Quality Management System Standard' delivers the advanced laboratory experiments and general-purpose measuring instruments solution to various laboratories, sterilizing clean rooms, microbiologies, biotechnologies, pathologies, entomologies, pharmaceuticals, seeds and soil testing, meteorologies food processing. We also believe in providing customized instruments solution to our esteemed clients.

Manufacturing Facilities :

The company has well built and operated manufacturing facilities that matches the latest system and technique in the industry. Our team strictly follows the quality control standards of ISO 9001:2000 series while designing, developing, manufacturing and delivering the scientific instruments. The manufacturing unit of **ACMAS** is made with complete state-of-the-art equipments and technologies for producing high quality instruments. We also acquired Environmental Friendly process certifications ISO14001:2004 for our entire range of instruments to ensure reliability and durability in each product.

Range of Products :

Our wide array of **AUTOCLAVE, INCUBATORS OVENS, LAMINAR AIR FLOW, MOISTURE METERS, WATER DISTILLATION PLANTS, LABORATORY BALANCES, WATER BATH, CENTRIFUGE, COOLING EQUIPMENTS, WATER TESTING EQUIPMENTS, LABORATORY SHAKING MACHINE, MICROTOME, MICROSCOPE, MEASURING INSTRUMENTS AND ALLIED** products to ensures accuracy and conformity for significant experiments. We also customize some of our product range and technologies for educational, medical, industrial or other laboratories for better work experience. Our pre sale and post sales support are also admirable and popular among our satisfied clients.

Quality Standards :

At **ACMAS Technocracy (P) Ltd,** we design and develop the complete range of scientific and laboratory instruments with highest quality standards. We constantly update technologies and methodologies to ensure reliability and consistency at each level of instruments production. Our all transparency auditing system are performed by the most reliable D& B International as we want to deliver the world class quality instruments to our national and international clients. We feel proud that our entire product range has brought satisfactory results for the corporate and public sector clients.

Professional Team :

The continuous cooperation and support of professional team has helped us to understand and deliver the satisfactory scientific instruments right from basic lab equipment to most sophisticated instruments for research labs. We believe that our tremendous success belongs to our expert engineers, managers, co-workers and other significant team members who have put their best efforts in the growth of the organization. It is their dedication and commitment that makes us the most trusted scientific instruments brand among our all satisfied clients.

Forte :

We strive hard to cater our clients with best product range and services while meeting international standards. Our aim is to meet the overwhelming demand of the scientific community and provide them the world class quality scientific instruments along with the best after sale support.

CLIENTS

varied usages in various
research and r&d laboratories

Our List Of Customers :

DOW

Coca-Cola

gsk

Cipla

EXIDE

L&T

Pfizer

Nestlé

P&G

DS GROUP

torrent

NORTON

RANBAXY
LABORATORIES LIMITED

BASF
The Chemical Company

COLUMBIA ASIA
21st Century Healthcare

HONDA

LAFARGE
CEMENT
India

ADITYA BIRLA GROUP

CLIENTS

varied usages in various
research and r&d laboratories

Our List Of Customers :

Bharat Petroleum

Dabur

IndianOil

Sud Chemie

TATA MOTORS

ITC Limited

Nicholas

MINDA

Unilever

Lilly
Answers That Matter.

Reliance
Industries Limited

EICHER

Ciba

ESCORTS
HEART INSTITUTE AND
RESEARCH CENTRE LIMITED
An ISO 9001 Institute

ICI

HiKAL

Our Presence World Wide

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CONTACT

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nishu@acmasindia.com

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