



INDUSTRIAL DRYING OVENS

MODEL NO.- ACM-22067-I



INDUSTRIAL DRYING OVENS

We are manufacturers of drying ovens, industrial drying ovens in India since 1990. Our heavy duty drying oven are widely used for day to day heating and drying applications performed in various laboratories.

We specialize in both standard and customized drying ovens, drying industrial ovens specifically designed to meet the challenging demands of various scientists for individual and specialized research applications. Over a short period of time Weiber brand have been established as reliable exporters of industrial drying oven in India, catering to the vast markets in South East Asia, Middle East, Africa and Europe.

Apart from that we are supplying our laboratory oven in India , catering to a variety of customers ranging from Defence Installations, Research Laboratories, Educational Institutes and various R& D laboratories of leading national and multinational companies.

SALIENT FEATURES

- Versatile usage
- Ergonomic Design
- Energy Efficient
- Long life
- Low Maintenance
- Calibration And Protocol Documentation

CONSTRUCTION

Our laboratory ovens are double walled convection heated units. Outer body of our Drying Oven are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel



to 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 SENSITIVITY

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

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

FRONT PANEL NOTE

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.

	SIZE INSIDE CHAMBER	LOAD	NO. OF TRAY
(a)	900 x 600 x 600 mm	6.0 KW	12
(b)	900 x 900 x 900 mm	7.0 KW	18
(c)	1200 x 900 x 900 mm	7.0 KW	24
(d)	1500 x 900 x 900 mm	10.0 KW	30
(e)	1800 x 900 x 600 mm	10.0 KW	36
(f)	1800 x 900 x 900 mm	18.0 KW	48
(g)	2400 x 900 x 900 mm	24.0 KW	60
(h)	2400 x 1200 x 900 mm	30.0 KW	96

TECHNICAL MATRIX FOR INDUSTRIAL DRYING OVENS

Temperature Control	-	-
Temperature Sensitivity	± °C	1°C or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.1
Temperature range	°C	5°C above ambient to 350°C (Standard)
Temperature Sensor	-	PT-100
Temperature Controller	-	PID Controller
Display	-	LED/LCD
Adjustable alarm limits	-	Optional
Safety thermostats	-	-
Temperature variation Adjustments	-	3
Temperature Sensors	-	PT-100

Automatic temperature setting	-	Yes
Adjustable limits	-	Yes
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	25Kg

Maximum Permitted total load	Kg	600kg
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	1200-3650
Nominal Voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50

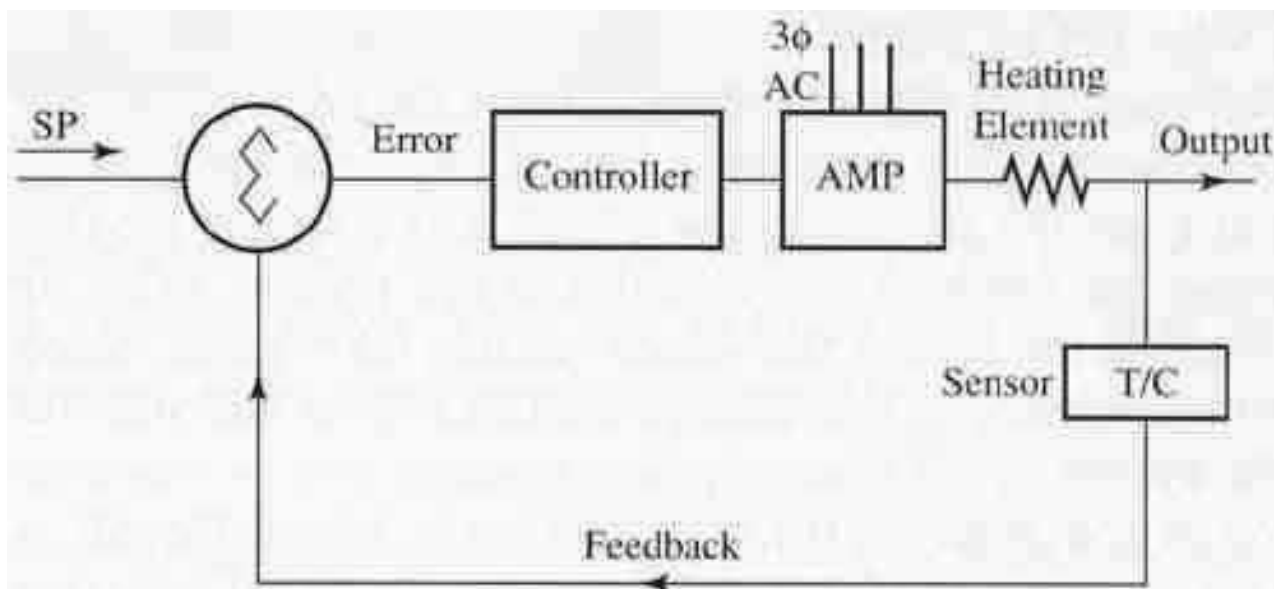
DATA ACQUISITION AND CONTROL SYSTEM FOR INDUSTRIAL DRYING OVENS

Universal Digital Data Recorder with Computer

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.

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 out 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.





An ISO 9001 : 2208 | ISO 14001 : 2008 | ISO 13485

WHO: GMP Products | GLP Compliant Products

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