



HMG India – Your ideal partner for an enduring business partnership...

STABILITY CHAMBER / ENVIRONMENTAL TEST CHAMBER

HMG Stability Test Chambers / Environmental Test Chamber are developed as a result of intensive R & D of more than 2 Decades. The Chamber confirms to International Standards; mfd as per GMP Regulations. The Company is committed to offer services for Chamber Calibration, Validation, and to comply IQ, OQ & PQ Protocols.

Chamber Design & Features

Construction as per guidelines to give continues working for long duration test. Control Accuracy of temperature up to $\pm 0.5^{\circ}\text{C}$ and RH better than 3% RH. Uniformity of conditions throughout the chamber even under stacked conditions. Fast Recovery of the set conditions after the door is opened.

Control System

μ control based PID Controller cum indicator; 0.1°C & 0.1% Resolution. P.L.C with touchscreen HMI

System designed with unique safety features which are available in both PID Control & P.L.C. **HMG OFFERS Capacity .. 90 Ltr to 3000 Ltr.**

Construction

Tripled walled construction with inner 20 swg & outer (20 swg) material as per respective models offered here below, gap between inner wall & outer wall; filled with Glass wool/PUF insulation; inner full view Plexiglas Door, outer metallic insulated door with gasket.

Standard Model	: Outer GI Powder Coated & Inner S.S - 304 Gr
S.S Model	: Outer S.S - 304 Gr & Inner S.S - 304
cGMP Model	: Outer S.S - 304 & Inner S.S - 316

Cooling

By Hermetically sealed Brand New ISI Marked Compressor - CFC Free coupled with air cooled condensing unit fitted with Motor, fan blade, Electrical Acces. etc... mounted on bottom of unit on heavy base frame

Uniformity & Movability

Continues duty motorized blower for air circulation for uniform temp. Heavy Duty PU Castor Wheel for easy move ability & safety to expensive Epoxy Flooring in Lab.

Heating

By long lasting S. Steel Tubular Heater which are made from S.S. 304 seamless tube with inbuilt ni-chrome wire with fins around

Temperature Control

- μ PID controller cum Indicator; 3.5" Digit LED with 0.1°C & Provision / Display of % of RH directly.
- Intelligent PLC

Operating Range

Stability Chamber				Uniformity
Temperature Range	20°C to 60°C	Accuracy	$\pm 0.5^{\circ}\text{C}$ or better	$\pm 2^{\circ}\text{C}$
RH RANGE	40 to 80% Rh	Accuracy	$\pm 3\%$ or better	$\pm 5\%$
Temperature Range				
Environmental Test Chamber	-70°C to 200°C*	Accuracy	$\pm 1^{\circ}\text{C}$ or better	$\pm 2^{\circ}\text{C}$
RH RANGE	30 to 98% Rh*	Accuracy	$\pm 3\%$ or better	$\pm 5\%$
* Various Range Available				

Business Partnerships That Last Forever



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HMG LOG a device which is capable of interfacing HMG Equipment in variable combination..

HMGLOG has ability of interfacing 2 PID Controller for Temperature & R.Humidity or 4 PID Controller for Temperature alone.

With this we have a probability of interfacing either 2 Stability Test Chamber or as following.

BOD - 1 No
Vacuum Oven - 1 No
Oven - 1 No
Autoclave - 1 No.

With all its new kind HMG Log has Display – Two line 16 Digit backlit alphanumeric display.
Serial Protocol – MODBUS RTU Master – 9600 baud rate.
Online communication error status for Slave PID equipments.
Memory to store upto 10,000 records on unit & thereafter on FIFO Technology.
Time Setting: Range from 1 Minute to 4 hrs.
With all above HMG proudly brings to its valuable customer a unique device for which you may not require for highly expensive PLC.
HMG LOG have Digital Inputs: Low Water Level & Door Open detection & Logging.

HMG CAPTURE ACE

HMG Capture Ace is designed as per requirement of US FDA 21 CFR Part 11 and is built for continues online monitoring.

HMG Capture Ace can be interfaced with 10 Units of HMG LOG & HMG SCAN at a time.

Unique feature of HMG Capture Ace

As per 21 CFR Part 11 Compliance
Online Monitoring
Online Alarm Monitoring for Temperature & RH
Online Alarm Monitoring for Door Open
Online Alarm Monitoring for Low Water Level
User Friendly
Assignment to all users as per group
Log Interval Programmable from software
Controller Set Point Programmable from software
Password Protection
Page Length Programmable
Tabular Report
Graphical Report
Password Protection
Audit Trail Report
Scanner Graph
SQL Lite Database
Open Menu with reason



What makes us your ideal business partner