



## Article Side

Functioning and working of temperature controller chambers by [Sonia Nathani](#)

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Since 1990, Acmas technocracy has been the industry leader in manufacturing and exporting temperature controller chambers across India and abroad. These equipments are reliable, cost effective and have low energy requirements.

Temperature controller chambers are designed to create test chambers that enable the user to study and consider the effects of different environmental factors such as humidity, temperature applications that involve microorganisms, plants, tissues and electronic components. These chambers are designed keeping in mind the needs of scientists, or for individual research applications.

These devices are double walled units. The outer body of the chamber is made of thick PRPC sheet, which protects the unit from rust proofing, as it is painted with stove enamel that is durable enough. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade or anodized aluminum sheet or G.I. The gap between walls is filled with high grade mineral glass wool, which ensures maximum thermal efficiency. The unit is also provided with two doors. The inner door is made of thick plexi/float glass to view the specimens/culture media without disturbing the temperature of the chamber. The outer door is made of mild steel sheet lined with stainless steel from inside. The door is also provided with lock and key arrangements.

This system is incorporated with temperature and humidity control cabinet to log in temperature and environmental related data with a help of a data logger unit which has PC connectivity by means of RS232C interface. The data is analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get formatted and analyzed reports of various inputs during full operation cycle of the equipment. This is an ideal module for pharmaceuticals laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

The system includes multiple devices such as in line process indicators, environment scanners and temperature or humidity controllers. This system even has the facility to program the recording interval with various options to suit individual requirements. These are even provided with user friendly software that obtains and analyses the data and helps to facilitate the user to generate reports and graphs. It has a bulk storage capacity with high data retention life and even offers Astech cable for direct interface to any dot matrix or laser printer for online and offline data records printing.

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Sonia Nathani is the Manager and chief Editor of Acmas Technocracy which is leading manufacturer and Supplier of the Temperature Control Chamber in India. We provide many other type of Test Chambers such a [Humidity Control Chamber](#), a [Stability Chamber](#) .For any Query please Mail us at [info@acmasindia.com](mailto:info@acmasindia.com) or Logon to <http://www.acmasindia.com>.

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Temperature controller chambers, Stability Chamber, Humidity Control Chamber

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