

## Advanced Protocol Incubators

1. Temperature Range **5° C above ambient to 105° C**
2. The temperature uniformity **+/-0.2 – 0.4° C**
3. The temperature Stability should be **< +/-0.1° C**
4. The temperature deviation over time **±0.1°C**
5. The air circulation inside the chamber should be Mechanical convection
6. The incubator should have internal glass door for easy viewing of samples without disturbing internal environment.
7. The unit's chamber capacity should be approximately 100 Liters
8. The incubator should provide automatic over temperature alarm
9. The interiors surface should be made from **AISI 304 / 1.4301 grade** Stainless Steel.
10. The chamber should have rounded corners to for easy of cleaning and to avoid contamination
- 11. The shelf system should be easy to fit and remove with just one click**
- 12. The user interface should be microprocessor controlled and should be a large vacuum fluorescent display**
13. The units should be stackable **without the need for using tools**
14. 2 shelves should be included as standard and should have provision of accommodating a **maximum of 13 shelves**
15. The shelf should be capable of carrying a load of 25 kg
16. **The foot print should not be more than 0.36m<sup>2</sup>**
17. The units should be able to operate at 230V / 50 Hz.
18. The units should have optional accessories like support stand for raising the elevation of unit from the floor, wire mesh shelf and Perforated Stainless Steel Shelf
- 19. The units should have facility of On/Off, daily or weekly Timer with a choice of real time clock or hour clock**
- 20. The fan inside the chamber should be operated electronically for adjusting its speed and should be able to put off to allow gravity convection as well as mechanical convection (Dual Convection)**
21. The unit should provide large **access port for** Data Logging and / or using electrical devised inside the unit (plug fits through port)
22. The Incubator should have **RS 232 Interface** to be able to data log the system parameter with third party software
23. The system should have the option of providing **stainless steel exterior**
24. The incubator should be covered with **2 years warranty**