SPECIFICATIONS FOR ELECTRONIC ORBITAL TABLE TOP LABORATORY SHAKER WITH ENVIRONMENTAL INCUBATION HOOD – MODEL ORBITEK® - LE

* Compact table top or bench top refrigerated shaker with universal platform to accommodate assorted clamps of various capacities.
* Insulated thermal pane glass door for viewing cultures without opening the door.
* Shaker must have movement incorporating Triple Eccentric Pin with Counter Balance done.
* Balanced top plate mounted on three permanently lubricated bearings fitted with housing to ensure non deviated amplitude of 25mm throughout the entire speed range of 30-350 RPM with an accuracy of +/- 2% of the set value.
* Drive should be direct current driven motor with permanent Magnet connected with pitched pulley.
* Temperature control through soft key pad with visual and/or audio alarm for temperature over/under shoot.
* Temperature control should be of PID based microprocessor controller with control of AL 1, AL2, CL parameters.
* Temperature control should have in built Surge protected to prevent control parameters deviations during power fluctuations.
* Sensor should be platinum tipped grade 100.
* Universal tray to accommodate 36 no’s of 100 ml (or) 25 Nos. of 250 ml. (or) 16 Nos. of 500 ml. (or) 9 Nos. of 1000 ml. (or) 4 Nos. of 2000 ml
* Shaking Motion: Orbital
* Universal Tray Size: 420 x 420 mm
* RPM Indication: Digital
* Temperature Range: 10° to 60° C
* Temperature Accuracy: ± 0.1° C @ range 37.1°C to 60°C
* Heater Power: 500 W
* Unit should complied universal standard safety measures of CE certified.
* ISO Certified company.