

# ORBITAL SHAKING INCUBATOR TABLE TOP MODEL

THE PLT - 144 SERIES

## APPLICATIONS

- "TANCO" brings the ultra-high-tech Triple walled
- Microprocessor controlled, solid-state Orbital
- Shaking Incubator down to earth.
- Specially designed for Orbital Shaking under controlled Incubations / Temperature required for Tissue Cultures Fermentation Studies, & Ageing Tests., Life science applications & growth studies.

## SALIENT FEATURES & CONSTRUCTION

- Table Top Model.can be placed easily.
- Robust construction outer chamber is made of Mild Steel duly pre treated & finished with powder coated paint for lasting finish.
- Inner chamber made of STAINLESS STEEL SHEET (304 Grade).
- Top Cover made of acrylic sheet enables inspection and monitoring of inner chamber specimens without disturbing the process temperature.
- Fitted with Universal Platform to accommodate interchangeable clamps of assorted sizes for different capacity of flasks.
- High grade Glass Wool INSULATION between outer and inner chamber for minimal thermal losses.
- Heating elements are placed in the path of moving air duly insulated from the body.
- Control panel having all controls and circuitry are housed at the front panel fitted with Temperature controller cum Indicator Microprocessor based with LED display for Set Value (SV) & Process Value (PV) to select any desired temperature.
- Supplied with cord and plug.
- Operating Voltage: 220 Volts AC (50 Hz).



# THE PLT - 144 SERIES

## TECHNICAL SPECIFICATIONS & ORDERING INFORMATION

| Model No.           | OSI - 1                                                                       | OSI 2     |
|---------------------|-------------------------------------------------------------------------------|-----------|
| Usable Space in MM  | 400 x 400                                                                     | 550 x 550 |
| Approx Volume (Ltr) | 100                                                                           | 200       |
| Temperature Range   | 5°C above ambient to 60°C (Resolution 0.1°C)                                  |           |
| Temp. Controller    | By Microprocessor Based PID Digital Temperature Indicator cum Controller.     |           |
| Shaking Motion      | By Permanent Magnet DC Drive for continuous operations.                       |           |
| Shaking amplitude   | 25 mm.                                                                        |           |
| Lotus Clamp Holders | Made of Stainless Steel (SS-304) (One set supplied as per user configuration) |           |
| RPM Display         | Digital                                                                       |           |
| Shaking Speed       | Variable speed from 20 RPM to 250 RPM                                         |           |
| Temp. Accuracy      | ±1°C                                                                          |           |
| Temp. Display:      | LED Display for Set Value(SV) and Process Value (PV)                          |           |
| Relay               | Solid state electronic relay with protective heat sink.                       |           |
| Air Circulation     | By forced convection system                                                   |           |
| Insulation          | By High density PUF /Glass Wool                                               |           |
| Operations          | Nearly silent operation with ultra-low vibration                              |           |
| Electric Supply     | 220/230V AC, 50/60Hz                                                          |           |

## OPTIONAL FEATURES

### Flask Configurations Available (any one set supplied with the unit)

- (A) 36 Erlenmeyer Flasks of 100ml capacity each.
- (B) 24 Erlenmeyer Flasks of 250ml capacity each.

