



INSTRUCTION MANUAL FOR PENETRON MARK IV

- 1) Seesaw switch which is located upper right is for main supply.
- 2) Pilot lamp and timer on-off switch are located under main switch.
- 3) When timer knob at the center is set at position desired, and if pilot lamp is on, the timer is in action. When time comes up, main motor will stop automatically and pilot lamp will be off at the same time. When main switch is on, if motor starts to rotate keeping pilot lamp off, the timer is not in action and motor will keep rotating. When the timer is desired to be in action, push timer on-off switch and pilot lamp will be on and it indicates that the timer is on.
- 4) Timer knob can be turned in both directions.
- 5) When timer knob is desired to be set within 10 minutes, the knob has to be turned more than 10 minutes at first and then put it back within 10 minutes as desired.
- 6) Speed control knob is located upper left. Shaking cycle is indicated on dial and the knob can be set anywhere between 0 to 120 R.P.M.
- 7) Tilting angle of vial's table can be adjusted by knob which is accessible through hatch on left-hand side. Tilting angle can be read through window in front.
- 8) When hatch is opened during shaking, motor will stop automatically and small bulb inside will be on so that tilting angle of vial's table can be ready very easily. If hatch is closed, motor will start to rotate automatically and small bulb will be off.
- 9) Vials have to be set decentralizedly, otherwise table starts to rotate itself and shaking effect will be weakened.
- 10) Main motor in this machine is a kind of induction motor. Therefore, it stands a long run and free of trouble. But if surrounding temperature is more than 60°C, long run has to be avoided.

SPI Supplies Division of STRUCTURE PROBE, Inc.