



THE LAB EQUIPMENT

Email : sales@thelabequipment.com

Phone: +91-8759245890

Product Name :

Film wise And Dropwise Condensation And Boiling

Product Code :

SLE/EA/11



Description :

- Heating and condensing takes place inside a partially filled glass vessel.
- A heater coil heats the water.
- The temperature of the wire reaches significantly higher than 100°C.
- Students watch the boiling process and note the different boiling processes.
- For boiling heat transfer experiments, students adjust the current in a resistant wire heater element in the water.

These include:

- **Subcooled boiling:** where small bubbles form and rise.
- **Nucleate boiling:** where large bubbles form and rise.
- **Film boiling:** unstable and stable, where a vapour blanket forms and heat transfer by radiation becomes important.
- For condensing heat transfer experiments, water condenses on two water-cooled vertical cylinder specimens.
- The cooling water flow rate and its temperature change at each cylinder helps students to find the heat transfer.

Contact Science Lab for your Educational School Science Lab Equipments. We are best laboratory equipments suppliers, laboratory glass equipments, math lab kits, mathematics lab equipment manufacturers, mathematics lab equipments, mathematics lab equipments manufacturers.

Website: <https://www.thelabequipment.com>, **Email:** sales@thelabequipment.com

plot. no.296. Sector 5. Vaishali. Ghaziabad. Uttar Pradesh 201010