

Unsteady State Heat Transfer Unit



Product Categories: [Engineering Equipment](#), [Heat Transfer Lab](#)

Product Page: <https://www.labappara.com/product/unsteady-state-heat-transfer-unit/>

Product Description

Unsteady State Heat Transfer Unit

The Apparatus Consists Of A Small Test Cylinder. The Cylinder Is Heated By A Constant Temperature Water Bath, Till Steady State Is Reached. During Heating, Temperature Of The Cylinder Is Function Of Time And Hence, Heating Of Cylinder Is Under Unsteady State Heat Transfer. The Temperature Of Cylinder Is Measured With The Help Of Temperature Sensor Inserted In The Center. The Hot Water Bath Is Provided With A Heater And Is Controlled By Digital Temperature Controller. An Agitator Is Also Provided To Maintain The Constant Bath Temperature

Technical Details:

Water Bath: Material - Stainless Steel Capacity-8 Lit (Approx)

Stirrer For Bath: Stainless Steel Impeller With Shaft Coupled To A Fhp Motor

Heater : Nichrome Wire Heater

Test Cylinder: One Each Of Stainless Steel & Brass

Control Panel Comprises Of

Digital Temp Controller: 0-19990c, (For Water Bath)

Digital Temp Indicator: 0-19990c