

Heat Transfer Lab



Engineering **Growth** Connection



Observe, feel and understand the modes of heat transfer using K.C. Group "Heat Transfer Lab.", a complete solution. Get used to the concepts of computer controlled Heat Exchanger.

Heat Transfer

- # KCHT-001 HEAT TRANSFER THROUGH COMPOSITE WALL
- # KCHT-002 HEAT TRANSFER THROUGH LAGGED PIPE
- # KCHT-003 HEAT PIPE DEMONSTRATOR
- # KCHT-004 HEAT TRANSFER FROM A PIN-FIN
- # KCHT-005 HEAT TRANSFER IN AGITATED VESSEL
- # KCHT-006 UNSTEADY STATE HEAT TRANSFER UNIT
- # KCHT-007 FLUIDIZED BED HEAT TRANSFER UNIT



Heat Exchanger

- # KCHT-011 PARALLEL FLOW/COUNTER FLOW HEAT EXCHANGER
- # KCHT-012 SHELL & TUBE HEAT EXCHANGER
- # KCHT-013 FINNED TUBE HEAT EXCHANGER
- # KCHT-014 PLATE TYPE HEAT EXCHANGER
- # KCHT-015 CROSS FLOW HEAT EXCHANGER
- # KCHT-016 HELICAL COIL HEAT EXCHANGER



Boiling

- # KCHT-021 POOL BOILING APPARATUS
- # KCHT-022 TWO PHASE HEAT TRANSFER UNIT

Conduction

- # KCHT-031 THERMAL CONDUCTIVITY OF INSULATING POWDER
- # KCHT-032 THERMAL CONDUCTIVITY OF INSULATING SLAB
- # KCHT-033 THERMAL CONDUCTIVITY OF LIQUIDS
- # KCHT-034 THERMAL CONDUCTIVITY OF METAL ROD

Condensation

- # KCHT-041 DROPWISE & FILMWISE CONDENSATION APPARATUS
- # KCHT-042 VERTICAL & HORIZONTAL CONDENSER
- # KCHT-043 HORIZONTAL CONDENSER
- # KCHT-044 VERTICAL CONDENSER

Convection

- # KCHT-051 HEAT TRANSFER IN FORCED CONVECTION
- # KCHT-052 HEAT TRANSFER IN NATURAL CONVECTION

Evaporation

- # KCHT-061 OPEN PAN EVAPORATOR
- # KCHT-062 SINGLE EFFECT EVAPORATOR
- # KCHT-063 DOUBLE EFFECT EVAPORATOR
- # KCHT-064 CALANDRIA EVAPORATOR

Radiation

- # KCHT-071 EMISSIVITY MEASUREMENT APPARATUS
- # KCHT-072 STEFAN BOLTZMANN'S APPARATUS

HEAT EXCHANGER TEACHING SET UP (With Data Logging Facility)

- # KCHT-501A HEAT EXCHANGER SERVICE UNIT
- # KCHT-501B TABULAR HEAT EXCHANGER (Heat Exchanger Service Unit Accessory)
- # KCHT-501C PLATE TYPE HEAT EXCHANGER (Heat Exchanger Service Unit Accessory)
- # KCHT-501D SHELL & TUBE HEAT EXCHANGER (Heat Exchanger Service Unit Accessory)
- # KCHT-501E JACKETED VESSEL WITH COIL & STIRRER (Heat Exchanger Service Unit Accessory)

HEAT EXCHANGER TEACHING SET UP (Computer Controlled System)

- # KCHT-1001A HEAT EXCHANGER SERVICE UNIT
- # KCHT-1001B TABULAR HEAT EXCHANGER (Heat Exchanger Service Unit Accessory)
- # KCHT-1001C PLATE TYPE HEAT EXCHANGER (Heat Exchanger Service Unit Accessory)
- # KCHT-1001D SHELL & TUBE HEAT EXCHANGER (Heat Exchanger Service Unit Accessory)
- # KCHT-1001E JACKETED VESSEL WITH COIL & STIRRER (Heat Exchanger Service Unit Accessory)

Also available with Data Logging Facility or Computer Controlled System.



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