

Product Name :
Unsteady State Heat Transfer

Product Code :
DM111



Description :

Unsteady State Heat Transfer

Technical Specification :

Unsteady State Heat Transfer

The Unsteady State Heat Transfer Unit consists of two small test cylinders of same size but different material. Each cylinder is fitted with a temperature sensor in the centre to observe the temperature of cylinder when is under study.

Any one of them is heated by a constant temperature water bath, till steady state is reached. During heating, temperature of the cylinder is a function of time and hence, heating of cylinder is under unsteady state heat transfer. A digital temperature indicator is provided.

The hot water bath is provided with a heater and is controlled by digital temperature controller. A fixed speed agitator is also provided to maintain the constant bath temperature.

Thermal bath of 30 litres with electric resistor, thermostat and circulation pump

Set of solid shapes of brass including thermocouple: rectangular slab, cylinder and sphere

Set of solid shapes of steel including thermocouple: rectangular slab, cylinder and sphere

Thermocouple for measuring water temperature

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