



Application:

Used to determine the heat of hydration of low heat Portland and hydraulic cement. The instrument is used for determining heat of hydration of cement by measuring difference between heat of solution of dry cement and heat of solution of a separate sample partially heated for 7 days & 28 days.

Apparatus Details:

- The entire assembly of Heat of Hydration apparatus consists of a Digital Beckman Thermometer with 0.01 °C resolutions, a open mouthed thermos flask, insulating material, container (WOODEN HOUSING), hinge, stirring motor, glass stirring rod, cork stopper and glass funnel.
- Dewar flask (Open mouthed flask) is contained in an insulated material and housed in a wooden box, which is hinged, so that the flask can be easily removed or replaced.
- Constant speed stirrer maintains uniform temperature throughout the stirring liquid and supplied sufficient agitation to keep solid reactant suspended in the acid mixture.
- Temperature range : -40 to 300 °C
- Temperature accuracy : 0.01 °C
- Relevant standard : IS 4031, IS 11262, ASTM C186
- Power supply : 230 Volts, 50 Hz, Single Phase, AC Supply
- Overall Dimensions : 14 x 12 x 27 in Inches (L x W x H)
- Net weight (in kg) : 28 Kg

Note: Specifications are subject to change.