

Product Code

UTCM-0347 Heat of Hydration Calorimeter with
High Resolution Digital Thermometer
230 V, 50-60 Hz, 1 ph

Standards

EN 196-8; ASTM C186

When Portland or hydraulic cement is mixed with water, heat is generated as a result of the exothermic reaction. The heat generated by cement's hydration raises the temperature of concrete and this temperature rise causes expansion while concrete is hardening, especially under conditions when heat can not be readily released.

The UTCM-0347 Heat of Hydration Calorimeter is used for determining the heat of hydration of low heat Portland and hydraulic cement. The apparatus consists of a Dewar flask housed in an insulated box, an electric stirrer, a filler funnel and a high resolution battery operated electronic thermometer.



Features

- Displays, saves and prints ΔT , Min., Max. and Mean Values
- Resolution 0.001°C
- Accuracy 0.05°C
- PT100 Probe Measuring Range -40 to +300°C
- Protection class IP65
- Audible alarm if limit values are exceeded
- Memory 10.000
- Complete with resolution test certificate
- Supplied complete with MS EXCEL template for data processing

Dimensions	300x200x650
Weight (approx.)	mm 13 kg