

E061N CALORIMETER

HEAT OF HYDRATION OF CEMENT

STANDARDS: EN 196-8 | ASTM C1702

Used to determine the heat of hydration of low heat Portland and hydraulic cement.

The apparatus consists of a Dewar flask contained in an insulated material and housed in a wooden box which is hinged so that the flask can be easily removed or replaced.

A **second hinged wooden box** contains the first one, granting a better insulation, as expressly requested by the Standards.

The Calorimeter is supplied complete with a constant speed electric stirrer, filler funnel to EN and ASTM standards.

The standard supply **does not include**: propeller and the thermometer (to be selected from digital models) which must be ordered separately, see accessories.

Power supply: 230V 1ph 50Hz 150W

Dimensions: 350x250x680 mm

Weight: 12 kg approx.

NEEDED ACCESSORIES

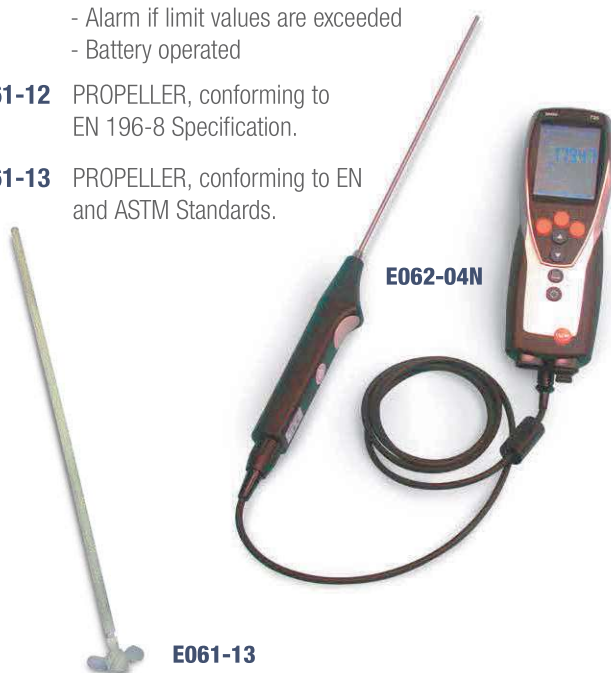
E062-04 DIGITAL THERMOMETER. Resolution: 0.01 °C.
Complete with probe, or:

E062-04N DIGITAL THERMOMETER supplied with software.
Resolution: 0.001 °C.

- Memory for 10000 readings
- Displays, stores and prints:
min, max, mean values, delta T
- Alarm if limit values are exceeded
- Battery operated

E061-12 PROPELLER, conforming to EN 196-8 Specification.

E061-13 PROPELLER, conforming to EN and ASTM Standards.



ACCESSORY

V300-19 PARAFFIN WAX with melting point 55 °C to coat the glass parts which are in contact with the hydrofluoric acid.
Pack of 5000 g.



E061N Open + E062-04

SPARES

E062-01 Dewar flask

E062-03 Filler glass funnel

E062-10 LANGAVANT CALORIMETER

STANDARD: EN 196-9

Used to determine the heat of hydration of cements by means of semi-adiabatic method.

The equipment consists of:

1 testing calorimeter and 1 reference calorimeter, each one with official calibration certificate; 2 Pt100 temperature probes; 1 electronic module with 6 channels and USB cable for PC connection; PC software; 50 mortar boxes; 20 sand bags (1080 g each); calibration cylinder.

To perform a test a PC is required (not included into E062-10).



E062-10