Authorized distributor in Australia:

Anditech Multiservices Pty Ltd.
PO Box 579, Macleod VIC 3085, Australia
sales@anditech.com.au
www.anditech.com.au
+61 438 011 348

Calorimeter / Flame photometer

Langavant calorimeter

EN 196-9
For determination of the heat of hydration of cement by the semi-adiabatic method

Solution calorimeter

EN 196-8, ASTM C186, BS 4550
For determination of the heat of hydration of cement by solution process

Flame photometer

EN 196-2, ASTM C114
For determination of the alkali metals and alkaline earth metals of cement

1.0283 **Langavant calorimeter**
EN 196-9
Used to measure the heat of hydration of cement by the semi-adiabatic method
Consisting of:
1.0283.00 Test calorimeter
1.0283.01 Reference calorimeter
1.0283.02 Mortar-sample container
1.0283.03 Temperature recording device
1.0283.04 Analysis software
PC required

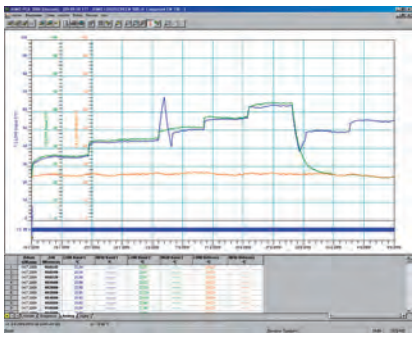
●●● Components / Accessories

1.0283.00 Langavant test calorimeter
EN 196-9
For the semi-adiabatic Langavant method
Including factory calibration certificate
Dewar vessel 100 dia. x 240 mm
External dim. 180 dia. x 400 mm
With temperature sensor Pt 100
Weight: 4.6 kg

1.0283.01 Reference calorimeter
EN 196-9
Like 1.0283.00 including aluminium cylinder 1pcs.
Weight: 4.6 kg

1.0283.02 Mortar-sample container
EN 196-9
(Expendable material: please re-order)
For holding the mortar samples
Dim. 84 mm dia. x 162 mm
Volume 880 cm³
(1 unit = 50 pcs.)
Weight: 7.0 kg

1.0283.03 Temperature recorder
With 4 channels, recording and transmission of temperature values
Desktop model 140 x 190 x 40 mm
Weight: 0.5 kg
USB port



1.0283.04 Analysis software
EN 196-9
For reporting and editing the recorded and stored values and for calculating the heat of hydration,
With comprehensive functions
License required

1.0283.05 **Calibration equipment Langavant**
Consisting of:
Calibration cylinder as a heated core made of aluminium, with approx. 2000 Ω
Stabilized laboratory power supply up to 60 V
Digital multimeter

1.0235 **Solution calorimeter**
EN 196-8, ASTM C186, BS 4550
For determination of the heat of hydration by solution process
Consisting of:
Dewar flask in an insulated wooden box
A constant-speed electric stirring unit
A funnel for pouring the cement
Dim. (wxdxh) = 350 x 250 x 680 mm
Weight: 15 kg
230 V / 50 Hz
Not included: thermometer, stirrer

●●● Components / Accessories

1.0235.01	Beckmann-type thermometer EN 196-8, ASTM C186, BS 4550
1.0235.02	Dewar flask Capacity: 650 ml
1.0235.03	Stirrer, glass EN 196-8
1.0235.04	Stirrer, glass ASTM C186
1.0235.05	Digital thermometer Resolution 0.01°C, with probe
1.0235.06	Digital thermometer Resolution 0.001°C, with probe and memory for calorimeter
1.0235.07	Paraffin wax To coat the glass parts Melting point approx. 55°C Weight: 5 kg

1.0286 **Flame photometer**

EN 196-2, ASTM C114
For the determination of the alkali metals (Li, Na, K) and alkaline earth metals (Ca, Ba) of cement
Complete with: sodium, potassium, calcium, barium and lithium filters, connecting hoses, clips and plug (for compressor)
Range: LED 0 - 199.9 ppm
Limits of detection:
Na or K: 0.2 ppm
Li: 0.25 ppm
Ca: 15 ppm
Ba: 30 ppm
Air supply: approx. 6 litres/min at 100 kPa
Fuel: propane, butane or natural gas
Dim. (wxdxh) = 420 x 360 x 300 mm
Weight: 8 kg
230 V / 50 Hz
Necessary accessories: air compressor, water separator and gas regulator

	●●● Accessories
1.0286.03	Regulator for natural gas
1.0286.04	Regulator for propane gas
1.0286.05	Regulator for butane gas
1.0286.06	Air compressor, 230 V / 50 Hz
1.0286.07	Water separator