



designed for scientists

Questionnaire

/// IKA Laboratory Equipment



Thank you for your interest in our Application Support.

To be able to offer you the best possible solution for your material we kindly ask you to complete this questionnaire and send it to applicationsupport@ika.de.

If you would like us to test your application, please send us your sample and we will test it with a suitable device in our application laboratory.

Please note that if the form is not completed in its entirety, we will be unable to process your sample due to safety regulations.

Your information is confidential and if you would like to find out more about our privacy statement, please visit www.ika.com.

YOUR CONTACT INFORMATION

Institute / Company:	Street:
Name:	City:
Title:	State / Country:
Department / Laboratory No.:	Zip code:
eMail:	Phone:

IKA product group or application field

Describe the process

(Description of sample, condition, amount, viscosity / granulation, risk and safety statements / Hazard Class)

Important: Please inform us about any hazardous materials by including the corresponding MSDS!

MSDS necessary: YES NO

Can the material be pre-treated / tempered?

Degreased Dried Heated (up to) °C Cooled (down to) °C

Which method of preparation has been used so far?

In which context are the samples prepared?

Quality control Production control Research Other:

Living viral material, radioactive and explosive substances, pesticides or other hazardous materials will not be accepted by IKA.



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MIXING

Magnetic Stirrers

Only heating Only stirring Heating and stirring Multi position Single position

Range:

Volume: l Speed: rpm

Temperature: °C Vessel: diameter: mm, total height: mm, filling height: mm

Additional features:

External sensor Heating block systems (to replace oil bath & heating mantles) Ceramic top for chemical resistance
 pH measurement Weighing function PC controlled Timer Programmable functions

Overhead stirrers

Range:

Volume: l Speed: rpm Viscosity: mPas (@25°C),

or similar to: Water Oil Honey or other:

Vessel: diameter: mm, total height: mm, filling height: mm

Choice of stirring elements:

Propeller Turbine Centrifugal Paddle Anchor Dissolver
 Spiral Moebius Blade You want us to suggest the element?

Additional features:

Integrated temperature measurement Remote controlled by wireless controller Reverse function
 Programmable functions PC controlled Timer Torque measurement
 Trend or Accurate (by sensor)

Shakers

Type of shaking: Vibrating / Vortex Orbital Reciprocal 2D rocking 3D rocking Rolling Rotating

Range:

Volume: l Speed: rpm Temperature: °C

Vessel description:

Centrifuge tubes Plates (Microtiter/Deepwell) Erlenmeyer flasks Test tubes / Cuvettes
 Beakers Culture bottles Fernbach flasks Separating funnels Others:

Vessel dimension:

Number of vessels: Total weight: kg

Additional features:

Programmable functions Timer PC controlled
 Temperature control / Incubating, temperature range: °C



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CRUSHING

Dispersers

Cell disruption / Tissue homogenization High shear mixing Homogenizing Emulsifying Suspending
 Dispersing Dissolving Breaking of agglomerates Particle size reduction (wet milling)

Range:

Volume: l Speed: rpm Viscosity: mPas(@25°C), or similar to: Water Oil Honey or other:
Temperature: °C Vessel: diameter: mm, total height: mm, filling height: mm
Pressure / Vacuum: bar

Initial particle size: mm Desired particle size: µm
 Liquid / Liquid Liquid / Solid (ratio in % /) Abrasive sample

Additional features:

Programmable functions Timer PC controlled Integrated temperature measurement Easy clean tool

Mills

Batch Continuous Single use

Sample characteristics:

Hard Brittle Soft Fibrous

Range:

Volume: g Feed size: Fineness: Hardness (Mohs scale 1 – 9):

Additional features:

Programmable functions Timer function PC controlled

Feed cooling option:

Dry ice Liquid nitrogen Water (for the chamber)

HEATING TEMPERING

Temperature Control

Immersion circulator Heating bath circulator Recirculating chiller
 Refrigerated and heating circulator Dry block heater Drying ovens

Range:

Temperature min./max.: / °C Volume (bath / external): l
Pump performance: l/min Pressure: bar Heating / cooling capacity: W

Vessel (only applicable for dry block heater and open bath versions)

Number: Type: Flat bottom Conical bottom Round bottom Others:
Diameter: mm, filling height: mm

Accessories required:

Fluid level controller Thermo fluid Temperature sensor Magnetic valve Bath vessel
 Cooling coil Tube racks Tubing Others:

Additional features:

External temperature control Remote controlled by wireless controller
 Programmable functions PC controlled Multi-I/O-port



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SEPARATION / DISTILLING

Rotary Evaporators

Basic model Semi-automatic model Automatic model

Glassware:

Vertical Diagonal Dry-ice Reflux
 Double-jacketed Coated Others:

Range:

Volume: l Temperature: °C
Pressure / Vacuum: mbar Flow rate: Cooling capacity:

Accessories required:

Chiller Vacuum source Others:

Additional features:

Volume controlled distillation Integrated solvent library Automatic boiling point detection
 Vacuum controller Programmable functions Timer function PC controlled Solvent library

Centrifuges

Range:

Speed: rcf Speed: rpm Temperature: °C

Vessel description:

Vessel dimension: Number of vessels: Total weight: kg

Additional features:

Programmable functions Timer PC controlled
 Temperature control / Incubating, temperature range: °C

REACTOR SYSTEMS

Lab reactor

Reaction vessel: Glass Stainless steel Bottom drain Double wall

Range:

Temperature min./max.: / °C Volume max: l Vacuum or pressure: mbar
Speed: rpm Viscosity: mPas(@25°C), or similar to: Water Oil Honey or other:

Additional features:

Temperature control option Remote controlled by wireless controller Reverse function
 Flow breaker Programmable functions PC controlled
 Dispensing, refer to: section Dispenser Torque measurement
 Trend or Accurate (by sensor) pH measurement



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ANALYTICAL TECHNOLOGY

Calorimeter (Oxygen bomb calorimeters)

Sample details:		Number of samples per day:	
Compliance to any standards:	<input type="checkbox"/> NO	<input type="checkbox"/> YES, standard: (DIN, ISO, ASTM)	
Preferred measuring methods:	<input type="checkbox"/> Isoperibol	<input type="checkbox"/> Adiabatic	<input type="checkbox"/> Static jacket <input type="checkbox"/> No preference
Sample contain halogen / sulfur:	<input type="checkbox"/> NO	<input type="checkbox"/> YES, concentration range:	
Additional features:			
<input type="checkbox"/> Automatic water handling system	<input type="checkbox"/> Automatic vessel identification	<input type="checkbox"/> Connection for scale, printer	
<input type="checkbox"/> PC controlled, evaluation software	<input type="checkbox"/> In built correction facility for net calorific value		

Viscometer (Rotational viscometer)

Sample details:		Number of samples per day:	
Range:			
Sample volume:	ml	Spindle:	Speed: rpm or shear rate: 1/s
Approx. viscosity:	mPas(@	°C), or similar to: <input type="checkbox"/> Water, <input type="checkbox"/> Vegetable oil, <input type="checkbox"/> Honey, <input type="checkbox"/> Peanut butter or other:	
Temperature:	°C	Vessel: diameter:	mm, filling height: mm
Compliance to any standards:	<input type="checkbox"/> NO	<input type="checkbox"/> YES, standard: (DIN, ISO, ASTM)	
Current used system:			
Brand	Spindle		
Additional features:			
<input type="checkbox"/> Tempering system:	<input type="checkbox"/> PC controlled, evaluation software:	Other:	