

IKA®



**Designed
to work perfect**

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All prices exclusive VAT. Prices are subject to change. Prices valid until 31.12.2008.
Subject to technical changes. Indications not binding for delivery.



NEW!

KS 4000 i control
Incubator shaker

KS 4000 i control

Incubator shaker



New innovative incubator shaker design allowing unattended operation in a temperature-controlled environment.

- Large LED display for speed and time settings
- Controls with antimicrobial coating for reduction of bacteria
- Integrated PID temperature control (use of two PT 1000 temperature sensors)
- Junction box in the workspace for connection of an additional temperature sensor e.g. PT 1000.60
- Electronic temperature and speed control
- Electronic timer switch: 0 – 999 h (set by the minute or by the hour)
- Optional built-in cooler for connection to an external cooling unit e.g. KV 600
- Unit switches off automatically if disturbed
- Unit stops automatically when hood is lifted
- Collecting tray with drain hose on rear of unit
- Simple operation
- All functions can be controlled and documented with labworldsoft®
- Attachments are not included in delivery, please order separately

Accessories:

AS 4000.1 Universal attachment, AS 4000.2 Fixing clip attachment, AS 4000.3 Dish attachment

KS 4000 i control	
Technical data	
Shaking movement	orbital
Orbital diameter	20 mm
Max. shaking weight (with attachment)	20 kg
Motor rating input / output	82 / 24 W
Power consumption (at 230 V)	1.120 W
Permissible ON time	100 %
Infinitely adjustable speed range	10 – 500 rpm
Heat output	1.000 W
Temperature range	RT + 5 °C to 80 °C
Temperature stability (200 ml H ₂ O at target T = 37 °C, RT 25°C)	0,1 K
Built-in recirculating cooler	optional
Timer switch (select minutes / hours)	∞ / 0 – 999 h
Speed, time and temperature display	digital
General data	
Dimensions (W x D x H)	580 x 520 x 750 mm
Space required (W x D)	600 x 600 mm
Weight	55 kg
Permissible ambient temperature	15 – 32 °C
Permissible relative humidity	80 %
Protection class acc. to DIN EN 60529	IP 21
Interface	RS 232
Ident. No.	3510000
Price EUR	3.490,00
With optional built-in cooler	
Ident. No.	3510100
Price EUR	4.200,00

KS 4000 i control

Accessories: Attachments



AS 4000.1 Universal attachment

For various types of vessels. Infinitely variable clamping rolls allow universal adaptation to the vessels.

Included with delivery:

- 1 x Basic holder
- 6 x Clamping roll
- 12 x Fastening screw



AS 4000.2 Fixing clip attachment

For shaking flasks, Erlenmeyer flasks and bottles with a round crosssection (without fixing clips).

Accessories:

- Fixing clips: AS 2.1, AS 2.2, AS 2.3, AS 2.4, AS 2.5



AS 4000.3 Dish attachment

For smooth movement for cell cultures, nutrient media in Petri dishes, culture bottles and vessels with a low center of gravity. With integrated slip-resistant foil (PP).

Further accessories:

Clamping roll

Spare for use with universal attachment.



AS 4000.1 Universal attachment	
General data	
Dimensions (W x D x H)	480 x 500 x 120 mm
Set-up plate	380 x 410 mm
Weight	3.200 g
Ident. No.	8022200
Price EUR	499,00

AS 4000.2 Fixing clip attachment	
General data	
Dimensions (W x D x H)	470 x 440 x 25 mm
Capacity:	50 x AS 2.1 (25 ml)
Number of fixing clips (volume)	48 x AS 2.2 (50 ml)
	25 x AS 2.3 (100 ml)
	16 x AS 2.4 (250 ml)
	12 x AS 2.5 (500 ml)
Set-up plate	430 x 430 mm
Weight	2.650 g
Ident. No.	3710100
Price EUR	399,00

AS 4000.3 Dish attachment	
General data	
Dimensions (W x D x H)	470 x 440 x 25 mm
Set-up plate	430 x 430 mm
Weight	800 g
Ident. No.	3710000
Price EUR	99,00

AS 1.4000 Basicholder	
Ident. No.	3710200
Price EUR	275,00

AS 1.401 Clamping roll	
Ident. No.	3712000
Price EUR	28,00

AS 1.402 Fastening screw	
Ident. No.	3712300
Price EUR	4,70