



Dry Bath Incubator

LIFE SCIENCE

Alpinum Prazision Austria GmbH & Co. KG

– Life Science –

CarnisIB-10HL/CarnisIB-20HL Dry Bath Incubator

Features

1. Quick and easy-to-exchange Blocks
2. Special-designed blocks improves temperature homogeneity
3. Heating lid function available for turn on / off
4. Individual sensor-controlled blocks allow for block-specific calibration
5. Wifi-function is available with the APP software
6. CarnisIB-20HL hold a software with a strong functions (Thermal cycler's software function) -- Set and display temperature, time and lid temperature
 - Set 9 programs and 99 cycles
 - Link programs function



CarnisIB-10HL



CarnisIB-20HL

Can be set and operation PCR program

Easy to exchange blocks



Specification

Model	CarnisIB-10HL	CarnisIB-20HL
Temperature control range	RT.+5°C~105°C	-5°C~105°C (If Ambient Temperature≤20°C) 0°C~105°C (If Ambient Temperature≤25°C) 4°C~105°C (If Ambient Temperature≤30°C)
Lid's temperature range	RT.+5°C~110°C	RT.+5°C~110°C
Timer range	0~99h59min / 0~99min59sec	0~99h59min/0~99min59sec
Temp. accuracy for blocks	±0.5°C	±0.5°C
Temp. accuracy for lid	±1°C	±1°C
Uniformity within the block	±0.5°C	±0.5°C
Display accuracy	0.1°C	0.1°C
Heating time	≤15min (from 40°C to 100°C)	Heating speed: (37°C-100°C)≥6°C/min
Cooling time	—	Cooling speed: (100°C-37°C)≥6°C/min
Dimensions (W x D x H)mm	267 × 166 × 167mm	313 × 168 × 196mm
Weight	2.3kg	3.0kg

Ordering information

Code	Description
AS-01270-00	CarnisIB-10HL, AC220~240V, 60Hz, 120W
AS-01280-00	CarnisIB-20HL, AC220~240V, 60Hz, 120W

Accessories

IB-10HL

Code	Block	Description
AS-01271-01	IB10-A	96×0.2ml PCR tubes
AS-01271-02	IB10-B	54×0.5ml tubes
AS-01271-03	IB10-C	35×1.5ml tubes
AS-01271-04	IB10-D	35×2.0ml tubes
AS-01271-05	IB10-E	15×0.5ml+20×1.5ml tubes
AS-01181-28	T4	Block extraction tool

CarnisIB-20HL

Code	Block	Description
AS-01281-01	IB20-A	96×0.2ml PCR tubes
AS-01281-02	IB20-B	54×0.5ml tubes
AS-01281-03	IB20-C	35×1.5ml tubes
AS-01281-04	IB20-D	35×2.0ml tubes
AS-01281-05	IB20-E	15×0.5ml+20×1.5ml tubes
AS-01181-28	T4	Block extraction tool



CarnisMiniT Series Mini-Dry Bath Incubator

Features

1. LCD display. It is easy to set and use
2. Small footprint: CarnisMiniT series are a personal sized that fits in the palm on your hand
3. Simultaneous display actual time, temperature
4. Temperature deflection adjusting meet with different demands
5. Beep-signal/Stop after program completed
6. With DC12V or DC24V power for total portability, beep-signal/stop after program completed
7. Interchangeable aluminum alloy sample blocks provide versatility and allow easy cleaning and disinfecting



CarnisMiniT

CarnisMiniT-C

CarnisMiniT-100

CarnisMiniT-100H

Specification

Model	CarnisMiniT	CarnisMiniT-C	CarnisMiniT-100	CarnisMiniT-100H
Temperature control range	RT.+5-80°C	0°C-100°C	RT.+5°C-100°C	RT.+5°C-100°C
Timer range	1-999min or 1-999sec	1-999min or 1-999sec	1-999min or 1-999sec	1-999min or 1-999sec
Temp. control accuracy	±0.5°C	±0.5°C	±0.5°C	±0.5°C
Display accuracy	±0.1°C	±0.1°C	±0.1°C	±0.1°C
Heating time (25°C to Max.)	≤12min	≤20min	≤15min	≤15min
Cooling time (25°C to 0°C)	—	≤25min	—	—
Temp. control accuracy	±0.3°C	±0.3°C	±0.3°C	±0.3°C
Heating Lid	—	—	—	Heating Lid
Lid's temperature range	—	—	—	RT.+5°C-100°C
Dimensions (W x D x H)mm	150 × 110 × 100 mm	162 × 110 × 140 mm	152 × 120 × 112 mm	152 × 120 × 112 mm
Weight	0.5kg	1.0kg	0.8kg	0.9kg
Power supply	DC 12V	DC 12V	DC 24V	DC 24V

CarnisMiniT-H2C/CarnisMiniT-H3 Mini-Dry Bath Incubator

Features

1. Working area dimension: 3 individually controlled
2. LCD display. It is easy to set and use
3. Simultaneously display the set and actual time, temperature, Auto-stop and sound-alert after program completed
4. Temperature deflection adjusting meet with different demands
5. CarnisMiniT-H3 has a heating function only and its temperature ranges from RT.+5~100°C
6. CarnisMiniT-H2C has cooling/heating functions and its temperature ranges from 0°C~99.9°C



CarnisMiniT-H2C/CarnisMiniT-H3

Specification

Model	CarnisMiniT-H3			CarnisMiniT-H2C		
	Block - A	Block - B	Block - C	Block - A	Block - B	Block - C
Working area	Block - A	Block - B	Block - C	Block - A	Block - B	Block - C
Temperature Control Range	RT.+5~99.9°C	RT.+5~99.9°C	RT.+5~99.9°C	0~99.9°C	RT.+5~99.9°C	RT.+5~99.9°C
Heating time (25°C to 99.9°C)	≤20min	≤20min	≤20min	≤20min	≤20min	≤20min
Cooling time (25°C to 99.9°C)	--	--	--	≤25min (*)	--	--
Temp. control accuracy	≤0.5°C			≤0.5°C		
Temp. stability @37°C	0.2°C			0.2°C		
Display accuracy	0.1°C			0.1°C		
Timer range	1~ 999h or 1~ 999min or 1~ 999sec			1~999h or 1~999min or 1~999sec		
Block quantity	3			3		
Power supply	DC12V,120W			DC12V,120W		
Dimensions (mm)	360×180×150			360×180×150		
Weight	3kg			3kg		

*1. Tested in ambient temperature <25°C

Ordering information

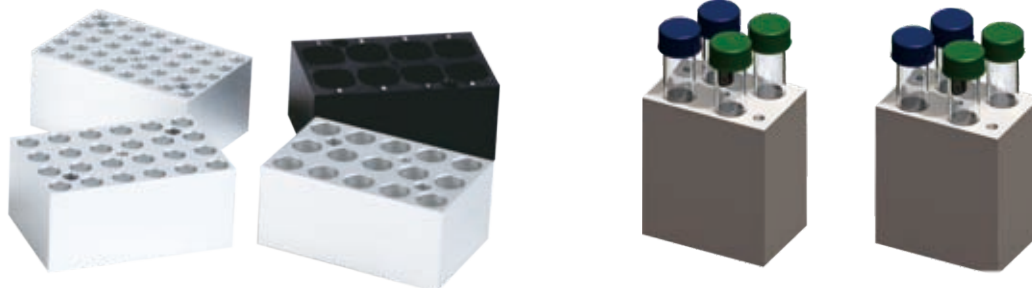
No.	Code	Description
01	AS-01130-00	CarnisMiniT mini dry bath, DC12V, 40w
02	AS-01170-00	CarnisMiniT-C mini dry bath, DC12V, 60w
03	AS-01150-00	CarnisMiniT-100 mini dry bath, DC24V, 40w
04	AS-01160-00	CarnisMiniT-100H mini dry bath, DC24V, 50w
05	AS-01220-00	CarnisMiniT-H3 3-in-1 mini dry bath
06	AS-01230-00	CarnisMiniT-H2C 3-in-1 mini dry bath

Accessories

No.	Code	Type	Description
01	AS-01131-01	A-MinT	40×0.2ml tubes
02	AS-01131-02	B-MinT	24×0.5ml tubes
03	AS-01131-03	C-MinT	15×1.5ml tubes
04	AS-01131-04	D-MinT	15×2.0ml tubes
05	AS-01131-05	E-MinT	8×12.5×12.5ml cuvette block
06	AS-01131-06	F-MinT	4×15ml tubes
07	AS-01131-07	G-MinT	2×50ml tubes
08	AS-01131-99		Can be customized according to customer demand

Note: CarnisMiniT-100H can just use A-MiniT block and can not exchange!

CarnisMiniT series and CarnisMiniT-H2C/CarnisMiniT-H3 blocks



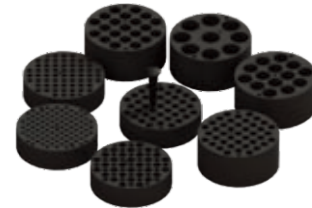
CarnisK30 Dry Bath Incubator



Specification

Model	CarnisK30
Temperature control range	RT.+5°C-100°C
Timer range	1min~99h59min
Temp. control accuracy	±0.5°C
Heating time (20°C to 100°C)	≤15min
Certificate	CE
Dimensions (L×W×H)mm	225×160×197
Weight	3kg

Blocks for
CarnisK30



Ordering information

No.	Code	Description
01	AS-01030-00	CarnisK30, AC220-240V, 60Hz, 100W

Accessories

No.	Code	Type	Description
01	AS-01031-01	A-30	96×0.2ml tubes
02	AS-01031-02	B-30	29×0.5ml+32×1.5ml tubes
03	AS-01031-03	C-30	61×0.5ml tubes
04	AS-01031-04	D-30	41×1.5ml tubes
05	AS-01031-05	E-30	41×2.0ml tubes
06	AS-01031-06	F-30	61×Φ6mm tubes
07	AS-01031-07	H-30	28×Φ12mm tubes
08	AS-01031-08	I-30	28×Φ13mm tubes
09	AS-01031-09	J-30	21×Φ15mm tubes
10	AS-01031-10	K-30	21×Φ16mm tubes
11	AS-01031-11	L-30	17×Φ18mm tubes
12	AS-01031-12	M-30	14×Φ20mm tubes
13	AS-01031-13	N-30	9×Φ25mm tubes
14	AS-01031-14	O-30	4×Φ32mm tubes

CarnisMK-10/CarnisMK-20 Dry Bath Incubator

Features

1. LCD display. It is easy to set up and use
2. Simultaneous display of set and actual time, temperature
3. Temperature deflection adjusting meet with different demands
4. Easy to replace the metal blocks and is very simple to clean and sterilize
5. Microprocessor controlled incubation time and temperature
6. Beep-signal/Stop after program completed
7. Peltier design of CarnisMK-20 provides efficient thermal control



CarnisMK-10



CarnisMK-20



A



B



C



D



E



F



G



H



I



J



K



L



M



N



O



P



Q

Blocks for
CarnisMK-10/CarnisMK-20

Specification

Model	CarnisMK-10	CarnisMK-20
Temperature control range	RT.+5°C-100°C	-10°C-100°C
Timer range	1min - 99h59min	1min - 99h59min
Tem. stability @100°C	±0.5°C	±0.5°C
Display accuracy	±0.1°C	±0.1°C
Heating time (25°C to 100°C)	≤12min	≤15min
Cooling time (20°C to -10°C)	--	≤15min (20°C to -5°C) if the room temperature is lower than 30°C ≤15min (20°C to -10°C) if the room temperature is lower than 25°C
Certificate	CE	CE
Dimensions (L×W×H)mm	300 × 220 × 180mm	300 × 220 × 180mm
Weight	2.5kg	5kg

Ordering information

No.	Code	Description
01	AS-01040-00	CarnisMK-10 (Heating), AC220V-240V, 60Hz, 150W
02	AS-01050-00	CarnisMK-20 (Heating/Cooling), AC220V-240V, 60Hz, 200W

Accessories

No.	Code	Type	Description	The highest Temperature	The lowest Temperature
01	AS-01051-01	A	96 x 0.2ml tubes	100°C	-10°C
02	AS-01051-02	B	54 x 0.5ml tubes	100°C	-10°C
03	AS-01051-03	C	35 x 1.5ml tubes	100°C	-10°C
04	AS-01051-04	D	35 x 2.0ml tubes	100°C	-10°C
05	AS-01051-05	E	15 x 0.5ml+20 x 1.5ml tubes	100°C	-10°C
06	AS-01051-06	F	24 x diameter ≤ Φ12mm tubes	100°C	0°C
07	AS-01051-07	G	12 x 15ml Falcon	100°C	0°C
08	AS-01051-08	H	6 x 50ml Falcon	100°C	0°C
09	AS-01051-09	I	103 x 67 x 30ml Bath Block	100°C	0°C
10	AS-01051-10	J	96 x 0.2ml Microplate	100°C	0°C
11	AS-01051-11	K	24 x 5ml tubes	100°C	0°C
12	AS-01051-12	L	96-Deep well plate	80°C	8°C
13	AS-01051-13	M	15 x 5ml Eppendorf tubes	100°C	0°C
14	AS-01051-14	N	24 x 2ml tubes (Deep-hole)	100°C	0°C
15	AS-01051-15	O	24 x 1.5ml tubes (Deep-hole)	100°C	0°C
16	AS-01051-16	P	Deepwell plates 96/1000µL	100°C	0°C
17	AS-01051-17	Q	MTPs and Deepwell-Platten	100°C	0°C

CarnisMK200 Series High Temperature Dry Bath Incubator

Features

CarnisMK200 series high temperature dry bath incubator, the highest temperature of CarnisMK200-1 and CarnisMK200-2 can reach 150°C. And the highest temperature of CarnisMK200-4 can reach 120°C



CarnisMK200-1



CarnisMK200-1A



Blocks for CarnisMK200 Series



CarnisMK200-2



CarnisMK200-4

Ordering information

No.	Code	Description
01	AS-01080-00	CarnisMK200-1, AC220V-240V, 60Hz, 200W
02	AS-01090-00	CarnisMK200-1A, AC220V-240V, 60Hz, 200W
03	AS-01100-00	CarnisMK200-2, AC220V-240V, 60Hz, 400W
04	AS-01110-00	CarnisMK200-4, AC220V-240V, 60Hz, 600W

Specification

Model	CarnisMK200-1	CarnisMK200-1A	CarnisMK200-2	CarnisMK200-4
Temperature control range	RT.+5°C-150°C	RT.+5°C-150°C	RT.+5°C-150°C	RT.+5°C-120°C
Timer range	1min-99h59min	1min-99h59min	1min-99h59min	1min-99h59min
Tem. stability @100°C	±0.5°C	±0.5°C	±0.5°C	±0.5°C
Temp. control accuracy @40°C	±0.3°C	±0.3°C	±0.3°C	±0.3°C
Temp. control accuracy @120°C	±1°C	±1°C	±1°C	±1°C
Heating time (40°C to 150°C)	≤30min	≤30min	≤30min	≤30min
Display accuracy	0.1°C	0.1°C	0.1°C	0.1°C
Dimensions (L×W×H)mm	280 × 240 × 110mm	280 × 240 × 110mm	280 × 240 × 110mm	380 × 240 × 110mm
Block quantity	1	1	2	4
Display screen	LED	LED	LED	LED

Accessories

No.	Code	Type	Description	Dimensions (mm)
01	AS-01081-01	BK01	49×Φ6mm	96×96×49mm
02	AS-01081-02	BK02	49×Φ7mm	96×96×49mm
03	AS-01081-03	BK03	25×Φ10mm	96×96×49mm
04	AS-01081-04	BK04	25×Φ12mm	96×96×49mm
05	AS-01081-05	BK05	25×Φ13mm	96×96×49mm
06	AS-01081-06	BK06	12×Φ15mm	96×96×49mm
07	AS-01081-07	BK07	16×Φ15mm	96×96×49mm
08	AS-01081-08	BK08	12×Φ16mm	96×96×49mm
09	AS-01081-09	BK09	16×Φ16mm	96×96×49mm
10	AS-01081-10	BK10	12×Φ19mm	96×96×49mm
11	AS-01081-11	BK11	16×Φ19mm	96×96×49mm
12	AS-01081-12	BK12	9×Φ20mm	96×96×49mm
13	AS-01081-13	BK13	9×Φ26mm	96×96×49mm
14	AS-01081-14	BK14	4×Φ28mm	96×96×49mm
15	AS-01081-15	BK15	4×Φ40mm	96×96×49mm
16	AS-01081-16	BK16	49×0.5ml tubes	96×96×49mm
17	AS-01081-17	BK17	25×1.5ml tubes	96×96×49mm
18	AS-01081-18	BK18	25×2.0ml tubes	96×96×49mm
19	AS-01091-01	BK19	96×0.2ml tubes	78×114×26mm
20	AS-01091-02	BK20	96×0.2ml ELISA plate	81×123×19mm

BK19 and BK20 can only be used in CarnisMK200-1A

CarnisMK2000 Series Dry Bath Incubator

Description

CarnisMk2000 series dry bath incubator are ideal for incubation and activation of cultures, enzyme reactions, immunoassays, melting/boiling points and a wide variety of other laboratory procedures

Features

1. Exceptional temperature uniformity and accuracy
2. Wide range of interchangeable aluminium blocks, blocks are accessories for all applications
3. Block extraction tool is supplied, allowing blocks to be removed easily
4. Blocks as accessories for all applications -- tubes, vials and microplates
5. Auto-stop and sound-alert after program completed

Special features of CarnisMK2000-2HL

1. Touch screen allows for easy to read and easy programming and easy to use
2. Hold a heating lid, 60 user programmable settings
3. Programmable system, program link functions, it can be runned some simple PCR tests



CarnisMK2000-1



CarnisMK2000-2



Blocks for CarnisMK2000 Series



CarnisMK2000-2E
Each block can be set
at different temperatures



CarnisMK2000-2HL
Can run some simple
PCR tests

Specification

Model	CarnisMK2000-1	CarnisMK2000-2	CarnisMK2000-2E	CarnisMK2000-2HL
Temperature control range	RT.+5°C-105°C	RT.+5°C-105°C	RT.+5°C-105°C	RT.+5°C-100°C
Timer range	1min - 99h59min	1min - 99h59min	1min - 99h59min	1min - 99h59min
Temp. stability @100°C	≤0.5°C	≤0.5°C	≤0.5°C	≤0.5°C
Uniformity: within the block @37°C	±0.2°C	±0.2°C	±0.2°C	±0.2°C
Across similar block @37°C	----	±0.3°C	----	±0.3°C
Heating time (25°C to 100°C)	≤20min	≤20min	≤20min	≤20min
Display accuracy	0.1°C	0.1°C	0.1°C	0.1°C
Block quantity	1	2	2 (Independent)	2
Dimensions (L×W×H)mm	250×190×130mm	365 × 210 × 150 mm	365 × 210 × 150mm	420 × 225 × 145 mm
Weight	2.5kg	4.5kg	4.5kg	5.5kg

Ordering information

No.	Code	Description
01	AS-01180-00	CarnisMK2000-1, AC220V-240V, 60Hz, 100W
02	AS-01190-00	CarnisMK2000-2, AC220V-240V, 60Hz, 200W
03	AS-01120-00	CarnisMK2000-2E, AC220V-240V, 60Hz, 200W
04	AS-01210-00	CarnisMK2000-2HL (Heating lid), AC220V-240V, 60Hz, 200W

Accessories

Code	Type	Description	Code	Type	Description
AS-01181-01	BH01	96 x 0.2ml PCR tubes	AS-01181-15	BH15	40 x Φ6mm tubes
AS-01181-02	BH02	45 x 0.5ml tubes	AS-01181-16	BH16	28 x Φ10mm tubes
AS-01181-03	BH03	35 x 1.5ml tubes	AS-01181-17	BH17	24 x Φ12mm tubes
AS-01181-04	BH04	35 x 2.0ml tubes	AS-01181-18	BH18	24 x Φ13mm tubes
AS-01181-05	BH05	15 x 0.5ml+20 x 1.5ml tubes	AS-01181-19	BH19	14 x Φ15mm tubes
AS-01181-06	BH06	20 x 1.5+15 x 2.0ml tubes	AS-01181-20	BH20	14 x Φ16mm tubes
AS-01181-07	BH07	32 x 0.2+22 x 0.5+9 x 1.5ml tubes	AS-01181-21	BH21	12 x Φ19mm tubes
AS-01181-08	BH08	20 x 5ml tubes	AS-01181-22	BH22	11 x Φ20mm tubes
AS-01181-09	BH09	20 x 10ml tubes	AS-01181-23	BH23	6 x Φ26mm tubes
AS-01181-10	BH10	12 x 15ml tubes	AS-01181-24	BH24	6 x Φ28mm tubes
AS-01181-11	BH11	6 x 50ml tubes	AS-01181-25	BH25	2 x Φ40mm tubes
AS-01181-12	BH12	96 x 0.2ml Elisa plate or 4 slides	AS-01181-26	BH26	2 x 7-12.5 x 12.5 cuvette
AS-01181-13	BH13	Solid block (no holes)	AS-01181-27	PT1000	External temperature probe
AS-01181-14	BH14	384 well PCR Plate	AS-01181-28	T4	Block extraction tool
AS-01181-15			AS-01211-01	L4	Stainless plate

CarnisMK2000-2HL can just use the BH01~ BH07 blocks, L4 is special for CarnisMK2000-2HL