



Thermo Shaker Incubator

LIFE SCIENCE

Alpinum Prazision Austria GmbH & Co. KG

CarnisMS-100/CarnisMSC-100 Thermo Shaker Incubator

Description

CarnisMS-100/CarnisMSC-100 thermo shaker incubator designed for simultaneous heating, cooling and mixing of small samples. Both of them can be supplied with interchangeable blocks for microtubes.

Features

1. LCD display. It is easy to set up and use
2. Accurately control and display time, temperature and speed
3. Over-heating protection device ensures safety & reliability
4. Low noise working even under the speed of 1,500rpm
5. Easy to replace the metal blocks and is very simple to clean and sterilize
6. Peltier design of CarnisMSC-100 provides thermal control in a compact unit



CarnisMS-100



CarnisMSC-100

Blocks for CarnisMSC-100 /CarnisMS-100

Specification

Model	CarnisMS-100	CarnisMSC-100	CarnisTMS-200	CarnisTMS-300
Temperature Control Range	RT.+5°C-100°C	0°C~100°C (if Ambient temp.≤20°C) 4°C~100°C (if Ambient temp.≤25°C) 10°C~100°C(if Ambient temp.≤30°C)	RT.+5°C-100°C	RT.+5°C-100°C
Temperature uniformity	≤0.5°C	≤0.5°C	≤0.5°C	≤0.5°C
Timer range	1min~99h59min	1min~99h59min	1min~99h59min	1min~99h59min
Temp. control accuracy	±0.5°C	±0.5°C	±0.25°C(≤37°C) ±0.5°C (≤95°C)	±0.25°C(≤37°C) ±0.5°C (≤95°C)
Display accuracy	±0.1°C	±0.1°C	±0.1°C	±0.1°C
Mixing Speed	200-1500rpm*	200-1500rpm*	300-3000rpm	300-2000rpm
Heating Time (25-100°C)	≤12min	≤15min	≤12min	≤12min
Cooling Time	----	≤30min (from RT. to RT.-20°C) ** ≤5min (from 100°C to 20°C) **	----	----
Mixing Orbit	2mm	2mm	2mm	3mm
Dimensions (mm)	300 x 220 x 170	300 x 220 x 170	230 x 170 x 165	230 x 170 x 165
Weight	7kg	8.5kg	5.5kg	5.5kg

*Temperature and oscillation speed limit according to the type of block

**Tested in ambient temperature <25°C

CarniTMS-200/CarniTMS-300 Thermo Shaker Incubator

Features

1. Thermo shaker for microplates, tubes, and glass vials
2. Fast shaking and mixing up to 3,000rpm
3. Perfectly controlled 3-dimensional mixing prevents spilling and lid wetting
4. 2 programmable soft keys, integrated vortex and short mix functions
5. Very small, light, efficient and quiet
6. Adapter plates:
 - Microplates: - 96-, 384-, 1536-well microplates/deepwell plates/PCR plates
 - Holder: - 0.2ml PCR tubes holder, 0.5ml tubes holder, 1.5/2.0ml tubes holder
- 15ml Micro tubes holder, 50ml Micro tubes holder
 - Block: -10 types Aluminum blocks for user choosing



CarniTMS-200



CarniTMS-300



Blocks for CarniTMS-200/CarniTMS-300

Ordering information

No.	Code	Description
01	AS-02010-00	CarniMS-100 Thermo Shaker, AC220-240V, 60Hz, 50W
02	AS-02020-00	CarniMSC-100 Thermo Shaker, AC220-240V, 60Hz, 250W
03	AS-02050-00	CarniTMS-200 Thermo Shaker, AC220-240V, 60Hz, 150W
04	AS-02060-00	CarniTMS-300 Thermo Shaker, AC220-240V, 60Hz, 150W

Accessories

CarnisMS-100 / CarnisMSC-100

No.	Code	Type	Description	Max. Temp.	Max. speed
01	AS-01051-01	A	96 x 0.2ml tubes	100°C	1500rpm
02	AS-01051-02	B	54 x 0.5 tubes	100°C	1500rpm
03	AS-01051-03	C	35 x 1.5 tubes	100°C	1500rpm
04	AS-01051-04	D	35 x 2.0 tubes	100°C	1500rpm
05	AS-01051-05	E	15 x 0.5ml+20 x 1.5ml tubes	100°C	1500rpm
06	AS-01051-06	F	24 x dimensions≤12mm tubes	100°C	1200rpm
07	AS-01051-07	G	12 x 15ml Falcon	100°C	750rpm
08	AS-01051-08	H	6 x 50ml Falcon	100°C	750rpm
09	AS-01051-09	I	103 x 67 x 30mm Bath Block	100°C	1500rpm
10	AS-01051-10	J	96 x 0.2ml Microplate	100°C	1500rpm
11	AS-01051-11	K	24 x 5ml tubes	100°C	1200rpm
12	AS-01051-12	L	96-Deep well plate	80°C	800rpm
13	AS-01051-13	M	15 x 5ml Eppendorf tubes	100°C	1200rpm
14	AS-01051-14	N	24 x 2ml tubes (Deep-hole)	100°C	1200rpm
15	AS-01051-15	O	24 x 1.5ml tubes (Deep-hole)	100°C	1200rpm
16	AS-01051-16	P	Deepwell plates 96/1000µL	100°C	1200rpm
17	AS-01051-17	Q	MTPs and Deepwell-Platten	100°C	1200rpm

CarnisTMS-200 / CarnisTMS-300

No.	Code	Type	Description	Max. speed
01	AS-02051-01	A-200	96 x 0.2ml tubes	1700/1500rpm
02	AS-02051-02	B-200	54 x 0.5ml tubes	1700/1500rpm
03	AS-02051-03	C-200	35 x 1.5ml tubes	1700/1500rpm
04	AS-02051-04	D-200	35 x 2.0ml tubes	1700/1500rpm
05	AS-02051-05	E-200	15 x 0.5ml+20 x 0.5ml tubes	1700/1500rpm
06	AS-02051-06	F-200	24 x dimensions≤12mm tubes	1500/1200rpm
07	AS-02051-07	G-200	32 x 0.2ml+25 x 1.5ml tubes	1700/1500rpm
08	AS-02051-08	H-200	32 x 0.2ml+10 x 0.5ml+15 x 1.5ml tubes	1700/1500rpm
09	AS-02051-09	I-200	103 x 67 x 30mm Bath Block	1500/1200rpm
10	AS-02051-10	J-200	96 x 0.2ml Elisa plate	1700/1500rpm
11	AS-02051-11	K-200	24 x 5ml tubes	1500/1200rpm
12	AS-02031-01	MIX-A	96 x 0.2ml PCR tube holder	3000/2000rpm
13	AS-02031-02	MIX-B	24 x 0.5ml tube holder	3000/2000rpm

In the table fittings of CarnisTMS-200/CarnisTMS-300 above:

The number in red means Max. speed when this block in CarnisTMS-200, and the number in black means Max. speed when this block in CarnisTMS-300