Thermominder SDN-B/EXN-B

Even water level of 45 mm from the bottom of the bath can be used. Thermal insulation tray is included. The EXN-B is equipped with Temp. control accuracy with two decimal places and a Timer function.

•Optional Combination Examples --> P.136

Features

- Low water level of 45 mm is suitable for small vessels
- Simple operation system with Temperature memory
- Comes with a Stainless steel Insulation tray (Water bath)

Applications

- Various incubations such as Enzyme reaction
- Temporarily Incubation of Culture medium
- Inactivation of Serum

SDN-B

EXN-B

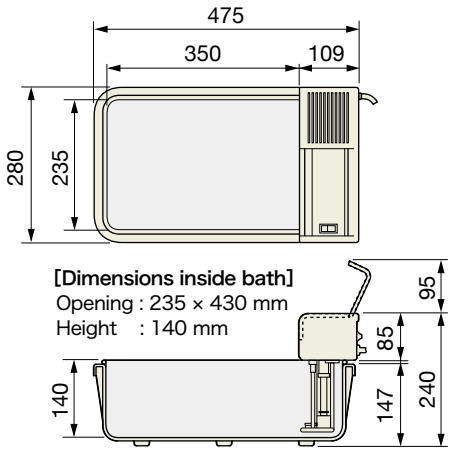
SDN Panel

EXN Panel

EXN-B with Timer function. 3 steps simple program operation with temperature memory in combination.

The EXN-B is also capable of output by an external recorder, input by an external sensor, etc.

Dimensions (Common in all models)



Optional accessories : Heat-resistant Plastic Hood

Heat-resistant Plastic Hood PF-B Combination Examples

Shaking Water bath Personal-11 Combination Examples

Description/Model	Remarks
Heat-resistant Plastic Hood PF-B	Low power consumption with reduce evaporation. Designed for SDN-B and EXN-B.
Shaking Water bath Personal-11	The water bath equipped with a shaking function. See page 136 for details.

Model	SDN-B	EXN-B
Temperature range (*1)	5°C above RT to +70°C	
Settable temp. range (*2)	-20°C to +100°C	
Temp. control accuracy (*3)	±0.1°C to ±0.3°C	±0.02°C to ±0.08°C
Stirring method in Bath	Jet flow	Jet flow (4-level control)
Temperature display/ Temperature memory	Display: Digital (Changeable Preset/Current value) Memory: 3	
Timer	-	Buzzer notification for Preset time Operation OFF/Operation ON Each Setting range: 1 min to 99 h 59 min
Other functions	Buzzer notification when Preset temp. is reached Automatic tuning	Buzzer notification when preset temp. is reached Simple program (3 steps) Safety device output, Temp. input/ output (*4) Automatic tuning
Minimum Water level	45 mm from the bottom of the bath	
Heater	800 W	
Safe devices/ protections	Circuit protector, Fuse, Dry-heating protection with float, Sensor error, Short circuit, High/Low temp. sample protection, Water level alarm, Non-volatile memory error, Automatic tuning error, Alarm setting error	
Power failure	Switchable Automatic/Manual recovery	
Dimensions inside Bath (W×D×H)	230 × 350 × 140 mm	
Main unit dimensions (W×D×H)	280 × 109 × 215 mm (When Thermal insulation tray B-type is used: 280 × 475 × 240 mm)	
Weight	Approx. 3 kg (6 kg: Thermal insulation tray B-type is included)	
Power supply/consumption	AC100V/8.5A (Need a step-down transformer)	
Standard accessories	Thermal insulation bath B-type × 1 pc (*5)	

(*1)Max. temp. may not be reached when the optional Hood is not used or depending on the usage conditions. As it is dangerous due to steam when using high temp. with tap water, it is recommended to use our specified Heat medium for High temp. (See page 134) (*2)Not equipped with a cooling function. Can be used together with our Chiller/Coolnit, Immersion cooler, etc. at below RT (25°C). Use our specified Antifreeze fluid (Thermal medium for Low temp. See page 134) when preset temp. is below 7°C. The usage life of the components may be shortened when used at the upper limit temp. (*3)The value under the conditions of RT (25°C), AC100 V/50 Hz, Capacity 6 liters water, Preset temp. 37°C, and No heat load with Thermal insulation tray B-type. For EXN-B, this is an actual measured value (0.01 unit). (*4)Optional Signal cable CA-671 is required to output. Ask us for the Temperature Input. (*5)Thermal insulation bath B-type is sold separately.