



Temperature

(Ambient temperature 20°C)

Ambient temperature **+5°C to 80°C**

Effective capacity

93 liters/3.3 cu.ft. (MIR-162)

153 liters/5.4 cu.ft. (MIR-262)

Microprocessor PID Control + Air Jacket

Heated Incubators provide a precise and stable incubation environment

- A wide range of applications including biological cultures and environmental studies
- Accurate temperature control by Microprocessor PID control system and Air Jacket system
- Operation timer function
- Alarms and self diagnostic function secure safe operation.



MIR-162

MIR-262

MIR-162/262

Features

Microprocessor PID control + Air Jacket system

Microprocessor PID control and Air jacket system give precise temperature control within the chamber. Temperature accuracy is within $\pm 0.2^{\circ}\text{C}$ (at setting temperature 37°C) and temperature uniformity is within $\pm 1.0^{\circ}\text{C}$ (at setting temperature 37°C).

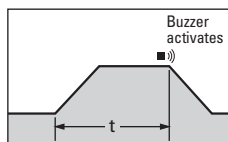
Microprocessor timer function

An accurate microprocessor timer is fitted to allow experiments up to 99 hours and 59 minutes. Desired start time is set by an automatic start (delay function). An information function activates a buzzer when a set time is over and keeps a set temperature after an operation finishes. Various operation patterns can be set by utilizing these functions.

Timer set patterns

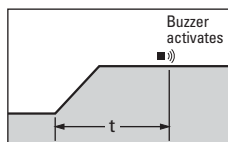
Automatic stop function

Heater will be off after a set operation is over.



Information function

Continues operating after a set operation is over.



Temperature control range – Ambient temperature $+5^{\circ}\text{C}$ to 80°C (AT 20°C)

Panasonic heated incubators allow incubation at normal temperature to high temperature.

User-friendly design

Control panel uses a touch keyboard and an easy-to-read green LED display. Temperature and time are shown respectively by digital displays. Durable stainless steel for interior cabinet.



Specifications

	MIR-162	MIR-262
External dimensions (W x D x H)*1	580 x 595 x 820 (mm) / 22.8 x 23.4 x 32.3 (inch)	730 x 645 x 870 (mm) / 28.7 x 25.4 x 34.3 (inch)
Internal dimensions (W x D x H)	450 x 460 x 450 (mm) / 17.7 x 18.1 x 17.7 (inch)	600 x 510 x 500 (mm) / 23.6 x 20.1 x 19.7 (inch)
Effective capacity	93 liters (3.3 cu.ft.)	153 liters (5.4 cu.ft.)
Shelves	2 Stainless steel, Stainless wire	3
Circulation system	Natural convection (Air Jacket system)	
Temperature control system	Microprocessor PID system	
Timer	Automatic timer with delay function 00:00 – 99:59	
Heater	Sheathed heater 200 W	Sheathed heater 300 W
Sensor	Thermistor	
Temperature range	Ambient temperature $+5^{\circ}\text{C}$ to 80°C (AT 20°C)	
Temperature control accuracy	$\pm 0.2^{\circ}\text{C}$ (to $+60^{\circ}\text{C}$) $\pm 0.5^{\circ}\text{C}$ ($+60^{\circ}\text{C}$ to 80°C)	
Temperature uniformity	$\pm 1.0^{\circ}\text{C}$ (AT 20°C , Setting temperature 37°C)	
Net weight	44kg (97 lbs.)	61kg (134 lbs.)

Voltage specification by destination

Representative destination	Model No.
Europe 230V, 50Hz (CE)	MIR-162-PE
Korea 220V, 60Hz	MIR-162-PK
Thailand 220V, 50Hz	MIR-162-PB
Australia 240V, 50Hz	MIR-162-PU
Taiwan 110V, 60Hz	MIR-162-PT

Various alarm functions

Various alarm functions and a diagnostic function are equipped to protect specimens.

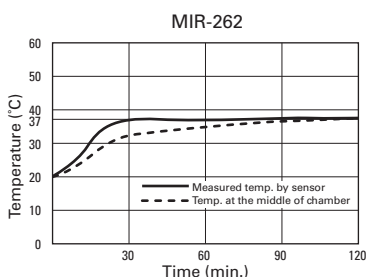
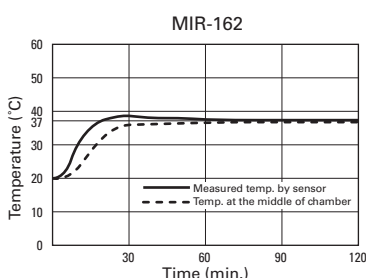
Alarm system	Condition for action	Actions
Temperature alarm	$\pm 2.5^{\circ}\text{C}$ deviation from set temperature	Lamp, LED, Buzzer
Independent temperature rise prevention system	When temperature rises over limited temperature	Out of operation: Buzzer In operation: Lamp, LED, Buzzer Heater will be turned off by an independent system
Key-lock switch	When key-lock is on	Does not accept key entry (except a buzzer call key)
Memory back-up	When power failure occurs and power plug is off	Memorises the pattern of set temperature & time
Self diagnostic system (problem monitor)	When faults occur	Fail-saves and displays E01 - E05

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• Appearance and specifications are subject to change without notice.

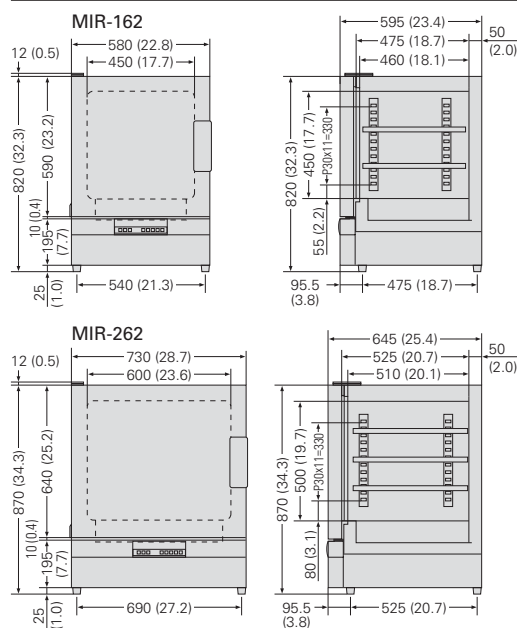
*1 Exterior dimensions of main cabinet only - see dimension drawings showing handles and other external projections.

Temperature uniformity data



Dimensions

Unit: mm (inch)



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