

INSTRUCTION MANUAL
CAT. 87029-01, 87029-02, 87029-03, 87029-04
EMS MyTemp™ Mini Incubator



Electron Microscopy Sciences

1560 Industry Road Hatfield, PA 19440 P.O. Box 550
TEL: 215-412-8400 FAX: 215-412-8450 TOLL FREE: 1-800-523-5874
EMAIL: sgkcck@aol.com WEB: www.emsdiasum.com

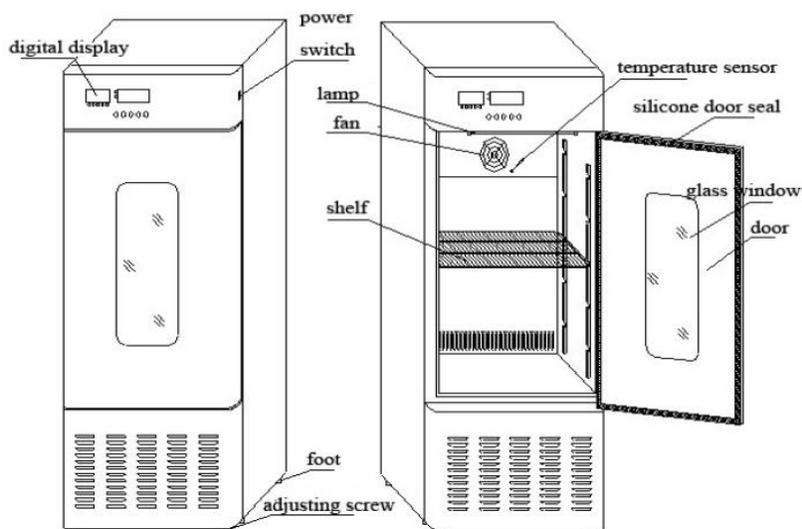
Introduction

The EMS MyTemp™ Mini Incubator is a micro-processor controlled instrument utilizing forced air convection to provide accurate and uniform temperature control. With a 65L, stainless steel incubation chamber and removable shelves, the MyTemp incubators are useful for a wide variety of laboratory applications requiring temperatures between 0°C and 60°C.

Product specifications

Capacity	65L
Temperature range	0C to 60C (in room temperature of 23C)
Temperature accuracy	+/- 0.5C (at 37C)
Temperature uniformity	+/- 1C (at 37C)
Dimensions (internal)	(W x D x H) 40 x 32.4 x 50.2 cm (15.75 x 12.75 x 19.75")
Dimensions (external)	(W x D x H) 54 x 53.34 x 99.85 cm (21.25 x 21 x 39.35")
Refrigerant	R134A
Chamber	Stainless steel
Weight	53kg / 117lbs
Warranty	2 years
Electrical	120V or 230VAC, 50/60Hz, 385W

Structure



Product set-up

The incubator can be installed on the floor or on a benchtop. Before installing, always ensure that the surface is clean, level and capable of withstanding 55 kg. Once in place, plug the electrical cord into a properly grounded outlet of the correct voltage. Once plugged in, press the power button on the right side of the instrument.

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Product operation

To select the desired temperature, press the SET key—the temperature can now be set using the up, down, and shift keys. Once the desired temperature value has been set, press the SET key again to select the time value. When set to 0000, the time function is disabled and the incubator will run continuously. Once the desired time value has been programmed, press the SET key again to store the values and begin the incubation.

When the time has been set to continuous, the display shows both the current chamber temperature and the set chamber temperature.

When a time other than continuous has been programmed, both the chamber temperature and the set temperature are shown on the display until the set temperature has been reached. All that time, the set temperature display then switches to the remaining run time. To display the set temperature, press the SET key at any time.

Once the time has expired, an audible alarm alerts the user and the right display reads “End”. To start a new cycle, press and hold the DECREASE key for 3 seconds.

NOTE: The incubator is programmed to continue holding the set temperature even after the set time has expired. This can be adjusted to end the heating/cooling cycle once the set time has expired by entering the advanced setting mode.

WARNING! When loading sampled, always avoid placing samples directly in front of fan vents. This will minimize air flow and diminish temperature performance.

The incubator is equipped with an internal light to assist in viewing. To activate the internal light, press the “Light” button. To turn off the internal light, press the “Light” button again.

An internal outlet is also included and provides the same electrical voltage as the outlet that the incubator has been plugged into. In the event of condensation, always wipe the outlet down with a dry towel prior to plugging in an electrical plug.

Care and maintenance

No routine maintenance is required other than to keep the instrument clean. When cleaning, use a damp cloth to wipe down the internal or external parts of the incubator. Avoid the use of solvents as they may attack the product housing. In addition, always ensure that the fan vents are clear of dirt or any other obstructions.

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