



Fisher Scientific

Fisher Isotemp® Low Temperature Incubator Model 307C Catalog Number 11-679-25C

Fisher Low Temperature Incubator offers laboratories precise temperature control over the -10°C to 60°C range. Performance meets requirements for the preservation of vaccines, biologicals, incubation of bacterial cultures, and determination of bio-chemical oxygen demand of sewage. The extended operating temperature range also includes temperatures associated with drug stability projects, dairy product evaluation and entomological studies. The spacious chamber accommodates up to 300 standard BOD bottles, or similar containers. The 5 reinforced shelves can handle up to 60 lbs of sample weight each.

Features include:

- 5 Removable shelves
- 1 Removable storage basket
- 6 Molded door shelves
- Door Lock with key
- Microprocessor based temperature controller, with temperature readout to .1°C
- 3 Cooling control modes: High precision with cooling, High precision without cooling and Frost free with variable cooling
- Solid state relay for heater
- Over/ under temperature safety relay and alarm Over temperature thermostat
- Compressor relay for energy conservation
- Compressor overload relay
- RTD temperature probe
- Protected setpoint mode to avoid accidental change
- Convenience outlet inside chamber, 2 amp
- Interior light with door switch

WARNING

- This manual must be carefully read and thoroughly understood before operating the unit, failure to follow directions or precautionary measures could result in serious adverse effects.
- This equipment must be used only as specified in these instructions.
- This equipment is intended for indoor use only.
- This equipment must be earth grounded for safe operation.
- Maximum ratings of accessories that may be plugged into convenience outlet: Load current 2 Amps. @ 115VAC, Leakage Current 250 micro Amps.

CAUTION

The aluminum evaporator and other portions of these units should not be exposed to the corrosive effects of acidic or caustic materials. Extreme care must be exercised if such materials are stored within to prevent voiding the warranty. This incubator is NOT suitable for flammable material storage.

SPECIFICATIONS

Power Requirements:

115V, 8.9A, 60 Hz (Including 2 A for convenience outlet)

Dimensions:

Height:	70 in (179cm)
Width:	32 in (81cm)
Depth:	28.5 in (72cm)
Volume:	20.3 cu ft (0.58m ³)
Shelf Data:	5 in chamber, 6 on door, 1 basket
Capacity:	300 BOD bottles

Shipping Weight:

283 lb. (128 kg)

Operating Environment:

Temperature Range:	10°C to 40°C
Humidity Range:	0% to 90% RH
Maximum Altitude:	6600 ft (2 km)
Air clearances:	Back, top and sides 3.0" minimum
Overvoltage Category	II (IEC664)
Pollution Degree 2 (IEC664)	

Performance Characteristics:

Operating Range:	-10° to +60°C
Uniformity:	±0.5°C ¹
Stability:	±0.2°C ¹
Display Readability:	0.1°C

¹ Per ASTM method E 1292-94, cooling modes 00 and 100

PACKING LIST

Qty	Item
1	Low Temperature Incubator
1	Instructions

UNPACKING and INSPECTION

NOTE: If damage is observed, keep the shipment intact (including the carton and all packing material) and file a claim with the final carrier.

INSTALLATION

The Low Temperature Incubator should be installed on a level, stable floor. Use the adjustable feet to level the incubator. Locate the unit so that there is at least 3 inches of clearance around the sides, top and back to ensure sufficient ventilation. Note: When cooling is enabled, heat is dissipated on sides of unit resulting in side temperatures of 35 to 55°C. To prevent heat build up within the unit, do not install it where it will be exposed to strong sunlight, nor near radiators, furnaces, or other sources of heat. Do not install the incubator where flammable or corrosive atmospheres may exist. The Low Temperature Incubator is not to be used out-of-doors or where excessive moisture or contamination could cause degrading of mechanical or electrical components.

1. Unbolt and remove the wooden slats underneath unit.
2. Remove all protective tape from doors and shelves.
3. Clean interior and exterior with warm soap and water. Shipping tape residue can be removed using isopropyl alcohol.
4. Uncoil line cord from rear of unit. Connect the plug to a power outlet that complies with the electrical requirements specified on the unit's label and with proper safety ground connection. If line cord replacement is necessary, use CSA types: SJ, SJO or SJT, 16 GA, 3 cond. or equivalent.

Model 307c Low Temperature Incubator Manual

S Ashworth



Model 307c Low Temperature Incubator Manual:

Embracing the Beat of Phrase: An Emotional Symphony within **Model 307c Low Temperature Incubator Manual**

In a world taken by monitors and the ceaseless chatter of instant interaction, the melodic splendor and psychological symphony produced by the published term frequently disappear in to the background, eclipsed by the persistent noise and disruptions that permeate our lives. However, located within the pages of **Model 307c Low Temperature Incubator Manual** a stunning literary treasure full of natural feelings, lies an immersive symphony waiting to be embraced. Crafted by an elegant musician of language, this fascinating masterpiece conducts readers on a psychological journey, skillfully unraveling the concealed melodies and profound affect resonating within each cautiously crafted phrase. Within the depths with this moving review, we can examine the book is central harmonies, analyze their enthralling publishing design, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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