thermo scientific







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Thermo Scientific Refrigerated Incubators Models RI-150, RI-250

A broad temperature range for your applications

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From incubation and sample storage in life sciences to BOD (biochemical oxygen demand) testing in water treatment plants, the need for temperature precision is critical. Thermo Scientific™ Refrigerated Incubators, designed to fit your budget, are quality products with features that provide precision and produce consistent results – bringing basics to a new level.

When refrigerated incubators are essential to your application, consider Thermo Scientific Refrigerated Incubators Models RI-150, RI-250.

With a temperature range of 4-60 °C, our refrigerated incubators are equipped to reach the precise application temperatures you need for reproducible results. Our Model RI-150 and RI-250 refrigerated incubators are available in a bench top or a spacious floor model.

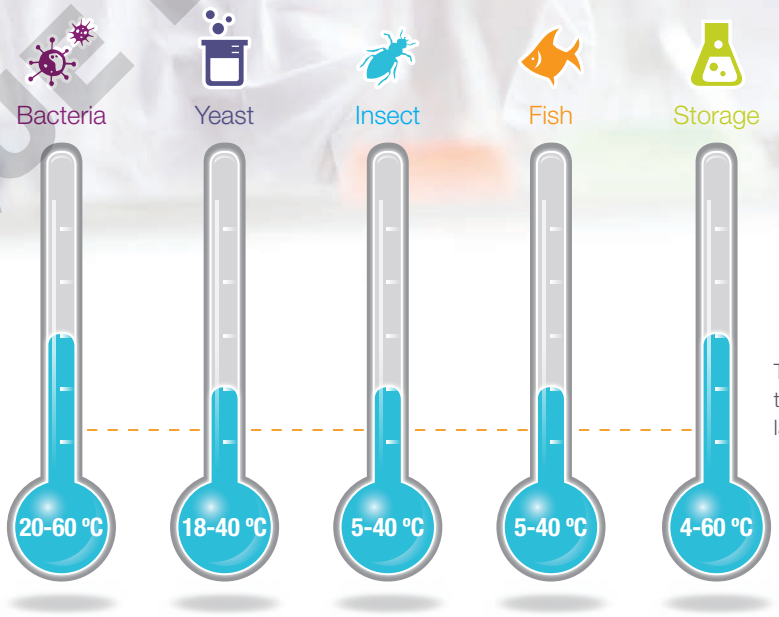


Model RI-150
bench top unit



Model RI-250
floor model

Application examples



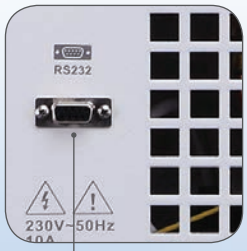
Thermo Scientific refrigerated incubators provide optimal temperature environments for applications that require stable temperatures above or below ambient, including incubation of bacteria, yeast, insects or fish, and temperature storage. They are also optimal for standard 30 to 37 °C incubation applications in warm environments.

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Thermo Scientific Refrigerated Incubators

Thermo Scientific refrigerated incubators offer an array of features and add-on accessories designed to provide users with ease-of-use and protection for valuable samples.

Features and benefits



RS232 data interface for temperature monitoring (no software included)

Broad 5 to 60 °C temperature range for applications that require high or low temperature levels

Adjustable over and under temperature alarm alerts operator of unexpected temperature deviations



Single-setpoint microprocessor control for precise temperature setting



Simple calibration routine for accurate temperature display

IQ/OQ documentation and services available

Automatic defrost for uninterrupted longterm applications below ambient

Technically mature, reliable compressor technology

Timer function for automatic start or shut down of unit (0 to 99:59 hours:minutes)

Access port (Ø 50 mm) for inserting monitoring probes or cables for use of electrical devices – easy access on right side of unit



Large unit with lockable casters for easy set-up and re-location



Overtemperature cut-out and fan motor overheating protection for additional safety

Silent long shaft fan and unique airflow ensure great temperature distribution

Glass window in door for undisturbed inspection of samples

Shelving system provides sample flexibility with 34-66 shelf positions



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Product specification and ordering information





Model	RI-150 (Bench top)	RI-250 (Floor model)
Order Number	**RI-150EU**	**RI-250EU**
Chamber Volume	150 L / 5.3 cu ft	250 L / 8.8 cu ft
Temperature Range	+4 to 60 °C	
Temperature Deviation Over Time*	At 20 ºC: ≤ ±0.3, at 37 ºC: ≤ ±0.3	
Spatial Temperature Deviation*	At 20 °C: ≤ ±0.8, at 37 °C: ≤ ±0.7	At 20 °C: ≤ ±0.8, at 37 °C: ≤ ±1.0
Internal Dimensions (W x D x H)	550 x 450 x 615 mm / 21.6 x 17.7 x 24.2 in.	550 x 450 x 1015 mm / 21.6 x 17.7 x 40.0 in.
External Dimensions (W x D x H)**	652 x 605 x 1050** mm / 25.7 x 23.8 x 41.3** in.	652 x 605 x 1450** mm / 25.7 x 23.8 x 57.1** in.
Footprint	0.39 m^2 / 4.2 ft^2	
Shelves Supplied / Max	2 / 4	3 / 5
Shelf Size (W x D)	545 x 445 mm / 21.46 x 17.52 in.	
Loading Capacity Per Shelf	15 kg / 33 lbs	
Weight Of Unit	95 kg / 209 lbs	115 kg / 254 lbs
Shipping Weight	115 kg / 254 lbs	135 kg / 298 lbs
Electrical	230 V / 50 Hz, EU Schuko plug, UK plug, Australia plug included	
Rated Power / Max. Current	1150 W / 5.0 A	
Refrigerant***	R134a, 0.32 kg	R134a, 0.35 kg
	GWP : 1420	
	CO2e : 0.45 t	CO2e : 0.50 t

* Based on measurement according to DIN12880, at ambient temperature of 22 °C ±3 °C
** Height includes the height of feet/casters
*** This devices complies with EU-F-Gas Regulation No. 517/2014 and contains fluorinated greenhouse gases in a hermetically sealed system

Accessories

Shelving	
Order Number	**RISHELF**
Description	Perforated stainless steel shelf (white, powder coated) with 4 shelf holders
Dimensions	545 x 445 mm / 21.46 x 17.52 in.
Shipping Weight	2 kg / 4 lbs
For Use With	RI-150EU, RI-250EU



White stainless steel perforated shelf



Shelf holders included

CE RoHS, RoHs China

The products are CE certified, and comply with RoHS guidelines.

Find out more at **thermofisher.com/refrigeratedincubators**

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Australia +61 39757 4300
Austria +43 1 801 40 0
Belgium +32 9 272 54 82
China +800 810 5118 or +400 650 5118
France +33 2 2803 2180
Germany national toll free 0800 1 536 376
Germany international +49 6184 90 6321
India toll free 1800 22 8374
India +91 22 6716 2200
Italy +39 02 95059 552
Japan +81 3 5826 1616
Netherlands +31 76 579 55 55
New Zealand +64 9 980 6700
Nordic/Baltic/CIS countries +358 10 329 2200
Russia +7 812 703 42 15
Spain/Portugal +34 93 223 09 18
Switzerland +41 44 454 12 12
UK/Ireland +44 870 609 9203
USA/Canada +1 866 984 3766
Other Asian countries +852 3107 7600
Countries not listed +49 6184 90 6000

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