

# Thermo Scientific Cryogenic Chest Freezers

Ultra-low temperatures for ultra-reliable sample protection.



## More convenient than LN<sub>2</sub>

- Designed for long-term biological storage at uniform temperatures of -140°C and -150°C without LN<sub>2</sub> as a cooling medium
- Eliminates the need for maintaining a supply of LN<sub>2</sub>
- 100% of the interior space is usable, with stored samples maintained below critical temperatures
- Ample interior volume with capacity of up to 21,600 samples in model ULT-10140 and up to 14,400 samples in model ULT-7150 (2mL vials in boxes)

## Specially designed refrigeration system

- Single compressor, orbital refrigeration system designed for cryogenic storage
- Specially mixed, CFC/HCFC-free refrigerants maximize cooling and minimize environmental impact

- Downfeed evaporator provides efficient refrigerant flow for a higher system efficiency and a better cabinet temperature uniformity
- Washable condenser filter keeps fins free of dust to maintain peak cooling efficiency; no tools required for removal
- Comes standard with RS232 output and access port on rear of unit

## Advanced control features

- Microprocessor control system with touchpad data entry and digital display allows for intuitive operation
- Set point security system for main power and alarm locks in temperature and alarm set points for increased sample protection
- Incident monitor provides visual and audible warnings of system abnormalities for increased sample protection



### Thermo Scientific Cryogenic Chest Freezers (Operating Temperature -140°C)

Model No.	Capacity cu. ft. (L)	Electrical	Amps/Breaker (Plug)	Interior Dimensions* H x D x W in. (cm)	Exterior Dimensions* H x D x W in. (cm)	Shipping Weight lbs. (kg)
ULT-10140-9-D	10.3 (292)	208/230 V, 60 Hz 1Ø	23/30 (P6)	26.5 x 19 x 35.25 (67.4 x 48.3 x 89.5)	42.75 x 29 x 69 (108.6 x 73.7 x 175.3)	1065 (483)
ULT-10140-9-M		380 V, 50 Hz 3Ø	11/15 (HW) <sup>1</sup>			
ULT-10140-9-V		220/240 V, 50 Hz 1Ø	23/30 (HW) <sup>1</sup>			

### Thermo Scientific Cryogenic Chest Freezers (Operating Temperature -150°C)

Model No.	Capacity cu. ft. (L)	Electrical	Amps/Breaker (Plug)	Interior Dimensions* H x D x W in. (cm)	Exterior Dimensions* H x D x W in. (cm)	Shipping Weight lbs. (kg)
ULT-7150-9-D	6.8 (193)	208/230 V, 60 Hz 1Ø	23/30 (P6)	26.5 x 19 x 23.5 (67.4 x 48.3 x 59.7)	42.75 x 29 x 58 (108.6 x 73.7 x 147.4)	825 (374)
ULT-7150-9-M		380 V, 50 Hz 3Ø	11/15 (HW) <sup>1</sup>			
ULT-7150-9-V		220/240 V, 50 Hz 1Ø	23/30 (HW) <sup>1</sup>			

\* All dimensions and specifications are subject to change without notice. External dimensions include allowances for cabinet door, hinges, latches, handles and control panel protrusions.

<sup>1</sup>. No plug provided, required hardwire connection by customer

### Thermo Scientific Racking Systems

Model No.	Description	Dimensions in. (cm)	2" Boxes/ Rack	Racks/Freezer 10.3 cu. ft. (292L)	Racks/Freezer 6.8 cu. ft. (193L)
398186	2" cryo box rack	5.5 x 26.5 x 5.5 (14 x 67.3 x 14)	12	18	12
398187	3" cryo box rack	5.5 x 26.5 x 5.5 (14 x 67.3 x 14)	8	18	12
398188	27-position microplate rack	5.3 x 25.8 x 3.6 (13.5 x 65.5 x 9)	N/A	30	20

### Optional Chart Recorders

Model No.	Description
<b>Chart Recorder: 6" (15 cm), 7-Day Circular, Inkless</b>	
6183-5	Factory installed, built-in chart recorder
6383-5D	Field installed,** free-standing chart recorder, 208-230V / 60Hz
6383-5V	Field installed,** free-standing chart recorder, 230V / 50Hz, EU plug
6383-5W	Field installed,** free-standing chart recorder, 230V / 50Hz, U.K. plug
7289	Chart recorder paper (package of 50, temp. range: 0°C to -200°C)

### Optional Back-Up Systems

Model No.	Description
<b>LN2 Back-Up System</b>	
6595	Factory installed
6214-8	Field installed,** 208-220V / 60Hz, NEMA 6-15 plug
6214-13	Field installed,** 230V / 50Hz, EU plug
6214-21	Field installed,** 230V / 50Hz, U.K. plug

### Optional Accessories

Model No.	Description
4425C	Cryo gloves, medium
4426C	Cryo gloves, large

### Optional Smart-Vue™ Wireless Monitoring Solution

Our optional Thermo Scientific Smart-Vue wireless monitoring solution safeguards sample integrity by continuously monitoring critical parameters and securely logging data to give you peace of mind. For more information, visit [www.thermoscientific.com/smart-vue](http://www.thermoscientific.com/smart-vue).

\*\* Must be installed by a qualified professional.  CE mark available only on 380V and 220/240V models

[www.thermoscientific.com/cold](http://www.thermoscientific.com/cold)

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