

# 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.  
1. 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-View™ Wireless Monitoring Solution

Our optional Thermo Scientific Smart-View 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-view](http://www.thermoscientific.com/smart-view).

\*\* 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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