



Thermo Scientific™ TSX ULT 600-box A-Volt PROMO

Thermo Scientific™ TSX Series ultra-low freezers are designed to meet the highest sustainability, temperature management and reliability standards for -80°C and -70° C storage.

Catalog No.

TSX60086AQ4

\$11,600.00 / Each

Qty

Check

Availability



Manufacturer: Thermo Scientific™
TSX60086AQ4

Description

Now available in an expanded range of capacities, Thermo Scientific™ TSX Series ultra-low freezers are designed to meet the highest standards in reliability, sustainability and temperature management. At the heart of the TSX Series is V-drive technology, designed to adapt to user patterns, substantially reducing energy and HVAC costs without compromising performance. All TSX Series freezers are manufactured in a zero-waste facility and are built with natural refrigerants and water-blown foam insulation, compliant with the U.S. EPA's Significant New Alternatives Policy (SNAP), the European Union's F-Gas compliance and other sustainability standards.

Performance

- No need to worry about where your samples are stored within the freezer. With peak variation less than 5°C, your samples are protected and safely stored throughout the entire cabinet space.
- Long warm-up time from -50°C to -80°C: 5.05 hours
- Quiet enough to reside directly in the laboratory, rather than in the hall. At just 45.5 dBA, the TSX Series' sound level is comparable to a home refrigerator.
- V-drive's adaptive control is designed to detect usage patterns such as door openings when a higher compressor speed is needed and periods of stability where the compressor runs at a lower speed, saving energy without compromising protection

Wireless Monitoring Solution

- View critical lab equipment data and equipment notifications on your mobile and web applications.
 - Display temperature
 - Ambient temperature
 - Alarm and alerts notification
- Access data anytime, anywhere—data and alarms from monitored lab equipment are securely stored on the Cloud and sent to the user via email and mobile-phone notifications
- InstrumentConnect™ streamlined dashboard-style reporting reduces time spent interpreting data
- Unlike traditional connectivity methods, DeviceLink™ operates on a client-cloud architecture, requiring minimal IT support
- No need to install sensors—the only plug-in is the equipment data port to read the parameters directly from the factory-installed sensors
- Applicable Networks: WPA2-PSK, WPA-PSK, WEP, WPA2-EAP-PEAP, WPA-EAP-PEAP

User Friendly

- Newly re-designed touch-screen user interface with easy-to-use: set-up wizard, event log, temperature mapping and data downloads via a built-in USB port
- Eliminate the need for a separate chart recorder with the touch-screen's datalogging and temperature mapping features, all exportable via a built-in USB port
- Ergonomic design including comfortable door handle, eye-level touch-screen and shelf-level placement that don't require floor-level loading of racks
- Four capacities (400, 500, 600 and 700 2-inch box) to accommodate a variety of storage needs and lab footprint specifications
- Compatible with most racking systems including a full range of Thermo Scientific™ racks for boxes, microplates, Thermo Scientific™ Matrix™ and Nunc CryoBank™ tubes
- Security features including alarm settings, padlock-compatible doors and optional access card entry

Sustainability

- Natural refrigerants and water-blown foam insulation, making the TSX Series compliant with the U.S. Environmental Protection Agency's Significant New Alternatives Policy (SNAP), the European Union's F-Gas and other sustainability standards
- Manufactured in an award-winning, zero-waste to landfill facility
- Lower HVAC costs as a result of less heat emission into the environment

Footnotes:

Typical freezer data based on internal testing with freezer setpoint at -80°C and ambient temperature at 20°C.
Performance data varies across freezer size and electrical specifications.

Specifications

Product Line	TSX Series	Holds	600 2-inch boxes
Insulation	Vacuum Insulation Panels (VIP) + Water-Blown Polyurethane Foam (SNAP-compliant)	Shelves	3
		Description	TSX Series Ultra-Low Freezers, 600-Box Capacity

Style	Upright	Certifications/Compliance	cULus, ENERGYSTAR
Temperature Range	-50°C to -86°C	Capacity (Metric)	816 L
Capacity (English)	28.8 cu. ft.	Electrical Requirements	115 V 60 Hz
Vial Capacity	60,000 x 2 mL	Frequency	60 Hz
Voltage	115 V	Plug Type	NEMA 5-15
Amperage	8.5/15 A	Weight (English)	679 lb.
Dimensions (D x W x H) Interior	28.3 x 34.4 x 51.2 in. (71.9 x 87.3 x 130.1 cm)	Shipping Weight (English)	790 lb.
Weight (Metric)	308 kg	Display	Touch-Screen LCD
Shipping Weight (Metric)	358 kg	Capacity (English) Shelf	245 lb.
Refrigerant	R290 (1st stage), R170 + R290 mix (2nd stage)	Smart View Compatibility	Smart-View Compatible
Capacity (Metric) Shelf	111 kg	Depth (English) Interior	28.3 in.
Warranty	Warranty varies by country, please contact us for details	Height (English) Exterior	78 in.
Depth (Metric) Interior	71.9 cm	Height (Metric) Exterior	198.1 cm
Height (English) Interior	51.2 in.	Width (English) Interior	34.4 in.
Height (Metric) Interior	130.1 cm	Defrost	Manual
Width (Metric) Interior	87.3 cm	Width (Metric) Exterior	100.6 cm
Width (English) Exterior	39.6 in.	Depth (English) Exterior	37.6 in.
		Depth (Metric) Exterior	95.5 cm

Connectivity	Thermo Scientific™ DeviceLink™ (Networks: WPA2-PSK, WPA-PSK, WEP, WPA2-EAP-PEAP, WPA-EAP-PEAP)
Type	Ultra-Low Freezer, Upright

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