

Thermo TSX70086A Ultralow Freezer, 33.5 cu/ft, 115V, from 2020



Capacity (English): 33.5 cu. ft. (949L)

Rating: Not Rated Yet

Price

Sales price \$10,500.00

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Manufacturer [Thermo](#)

Description

Thermo Scientific TSX Series Ultra-Low Freezer

The Thermo Scientific TSX Series Ultra-Low Freezers combine reliability, sustainability, and advanced temperature management. Powered by V-drive technology, these freezers adapt to user patterns, optimizing compressor speed to reduce energy and HVAC costs while maintaining performance. Available in four capacities (400, 500, 600, and 700 2-inch boxes), they accommodate diverse storage needs and lab footprints. Built in a zero-waste facility with natural refrigerants and water-blown foam insulation, the TSX Series complies with EPA's SNAP and EU's F-Gas standards.

With peak temperature variation under 5°C and a long warm-up time of 5.05 hours from -50°C to -80°C, samples remain secure throughout the cabinet. Operating at a quiet 45.5 dBA, these freezers are lab-friendly. The redesigned touch-screen interface offers a set-up wizard, event log, temperature mapping, and USB data export, eliminating separate chart recorders. Ergonomic features include a comfortable door handle, eye-level display, and shelf-level rack placement. Security is enhanced with alarm settings, padlock-compatible doors, and optional access card entry. Compatible with Thermo Scientific racks for boxes, microplates, Matrix, and Nunc CryoBank tubes, the TSX Series ensures flexibility and protection.

Specifications:

Capacity (English): 33.5 cu. ft. (949L)

Vial Capacity: 70,000 x 2mL

Holds: 700 2-inch boxes

Temperature Range: -50°C to -86°C

Refrigerant: R290 (1st stage), R170 with R290 mix (2nd stage, SNAP-compliant)

Insulation: Water-Blown Foam (SNAP-compliant)

Dimensions (L x W x H) Exterior: 37.6 x 45.2 x 78 in. (95.5 x 114.8 x 198.1cm)

Dimensions (D x W x H) Interior: 28.3 x 40.0 x 51.2 in. (71.9 x 101.6 x 130.1cm)

Weight (English): 778 lb. (353kg)

Display: Touch-Screen LCD

Comes with our 90-day warranty.

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