

Isotemp Ultra-Low Temperature Freezers

Safeguard your samples with advanced technology and quality



Isotemp™ ultra-low temperature freezers combine the highest reliability and performance with cost-effective operation and innovative features. These -86°C freezers feature an advanced technology platform, refrigeration, microprocessor controls and high-quality construction delivering maximum temperature recovery, operational efficiency and a comfortable lab environment.

Model IU4004V-ULTS, 651 liter,
400-box capacity



Isotemp™ ultra-low temperature freezers

- **Easy to use control system:** Touch-pad data entry and digital display of all functions
- **Voltage buck/boost:** Protective device used to correct low or high voltage into the unit; protects and extends the life of electrical components
- **Standard RS-485 and 4-20mA analog outputs:** Provide temperature data to independent monitoring devices
- **Battery backup:** Continuous charge provides full function to control panel in case of power failure
- **On-board diagnostics:** Continuously monitors sensors to ensure proper performance
- **Compressor protection:** Monitors performance and automatically adjusts to internal and external conditions, extending compressor life, further protecting precious samples
- **Centralized information management center:** Simplifies operation and provides setpoint security option

Isotemp Ultra-Low Temperature Upright Freezers (Temperature Range: -50°C to -86°C)

Model No.	Capacity		Certification	Electrical	Amps/ Breaker	Max. Shelf Weight kg (lbs.)	Interior Dimensions H x W x D cm. (in.)	Exterior Dimensions H x W x D cm. (in.)	Shipping Weight kg (lbs.)
	liters (cu. ft.)	2" cryobox							
IU2404V-ULTS	368 (13.0)	240	CE	230V/50Hz	12/15	57 (125)	130.8 x 58.7 x 49.3 (51.5 x 23.1 x 19.4)	197.9 x 91.2 x 83.6 (77.9 x 35.9 x 32.9)	323 (712)
IU3204V-ULTS	490 (17.3)	320	CE	230V/50Hz	12/15	57 (125)	130.8 x 58.7 x 64.5 (51.5 x 23.1 x 25.4)	197.9 x 91.2 x 98.8 (77.9 x 35.9 x 38.9)	376 (829)
IU4004V-ULTS	651 (23.0)	400	CE	230V/50Hz	12/15	57 (125)	130.8 x 77.7 x 64.5 (51.5 x 30.6 x 25.4)	197.9 x 110.2 x 98.8 (77.9 x 43.4 x 38.9)	399 (880)

Options (Field-installed must be installed by a qualified professional)

Description	Installation	Model No.
LN₂ Backup System Maintains temperature down to -80°C with liquid nitrogen	Factory Installed	1950528
	Field Installed	1950530
CO₂ Backup Maintains temperature down to -70°C with CO ₂	Factory Installed	1950526
	Field Installed	1950527
Ink Chart Recorder seven day ink recorder, to -150°C. Includes one red felt top pen and box of chart paper (qty. 50)	Factory Installed	201241-ULTS
	Field Installed	201240-ULTS
Inkless Chart Recorder seven day ink recorder, to -150°C. Includes box of chart paper (qty. 50)	Factory Installed	201249-ULTS
	Field Installed	201248-ULTS
PT100 Sensor for connection to building automation systems	Factory Installed	1517487
	Field Installed	290211

Accessories

Description	Model No.
Shelf Kit for 240 box freezer (368L)	1519002G01
Shelf Kit for 320 box freezer (490L)	1519002G02
Shelf Kit for 400 box freezer (651L)	1519002G03

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