

North Sciences

TSi Traceable Series Ultra-Low Freezers

Cloud Monitoring with TraceableLIVE®











Samples security, reliability and sustainability for ultra-low storage

Variable Speed Inverter Drive Technology

The New TSi series ultra-low freezers designed to exceed all standards in reliability, sustainability and temperature management. The cooling capacity adapts to user patterns, substantially reducing energy and HVAC costs without compromising performance.

Co-branded with Traceable from Antylia, with its Wifi Enabled Digital Datalogger the TSi Series connects easily to wifi and provides continuous data transmission to the cloud-based interface and includes NIST-Traceable certificate from A2LA accredited (1750.01) calibration laboratory.









Designed for sustainability & performance for ultra-low storage

- Uniformity ±5°C
- Fast door-opening recovery 21Min
- Pullup time from -80° C to -50° C <7.0H
- PullDown time from 20°C to -80°C <3.0H
- · Low energy usage
- Heated Pressure Equalization Port

- Double injected foaming for both inner and outer doors combined with VIP thermal insulation technology
- USB Interface to download historical temperature data
- Alarm high, low temperature, sensor error, power failure, high ambient, filter and door ajar

"Future-proof" your sample monitoring for ever-changing compliance requirements.

E-mail and push alarms - Apple Watch compatibility - SMS text notifications - Voice notification escalation - Unlimited users - Unlimited data storage - Create your own monitoring and notification templates - Unlimited templates

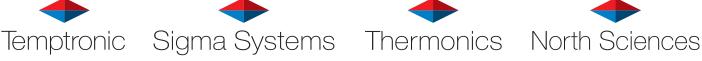
| | | TSi8617 | TSi8621 | TSi8625 | TSi8635 |
|----------------------|---------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | Volume CuFt/Liters | 17/485 | 21/599 | 25.7/729 | 35/991 |
| Performances | Refrigerant | R290, R170 | R290, R170 | R290, R170 | R290, R170 |
| | Temperature Range (°C) | -40 to -86 | -40 to -86 | -40 to -86 | -40 to -86 |
| | Daily Energy consumption (KW.H/cu.ft) | 0.49 | 0.45 | 0.41 | 0.39 |
| Construction | Exterior Material | Galvanized steel powder coating |
| | Interior Material | Galvanized steel powder coating |
| | Insulation Material | Cyclopentane+VIP | Cyclopentane+VIP | Cyclopentane+VIP | Cyclopentane+VIP |
| | Interior (W*D*H) Inches | 23.6x23.6x51.6 | 29x23.6x51.6 | 29x28.75x51.6 | 34.6x33.85x51.6 |
| | Exterior (W*D*H) Inches | 30.7x32.3x77.5 | 36x32.4x77.5 | 36x37.5x77.5 | 41.75x42.6x77.5 |
| | Package (W*D*H) Inches | 36x36x80 | 41x36x80 | 41x41x80 | 47x47x80 |
| Weight | Capacity for 2 inch boxes | 320 | 400 | 500 | 720 |
| | Inner Door Number | 2 | 2 | 2 | 2 |
| | Technology | Variable Speed Inverter | Variable Speed Inverter | Variable Speed Inverter | Variable Speed Inverter |
| | Power Supply(V/Hz) | 115V/60Hz | 115V/60Hz | 115V/60Hz | 115V/60Hz |
| | Power (W) | 470 | 550 | 650 | 740 |
| | Rated Current (Amps) | 4.2 | 5 | 5.8 | 6.6 |
| | Net Weight (Kg) | 243.5 | 269 | 288 | 357 |
| | Gross Weight (Kg) | 274.5 | 308 | 323 | 455 |
| Controller Functions | Display | Touch screen | Touch screen | Touch screen | Touch screen |
| | High/Low Temp Alarm | Yes | Yes | Yes | Yes |
| | Hot Condenser | Yes | Yes | Yes | Yes |
| | Power Failure | Yes | Yes | Yes | Yes |
| | Sensor Error | Yes | Yes | Yes | Yes |
| | Low Battery | Yes | Yes | Yes | Yes |
| | High Ambient Temp | Yes | Yes | Yes | Yes |
| | Alarm mode | Sound - light + Dry contact |
| Accessories | Caster | Yes | Yes | Yes | Yes |
| | Pass Thru Port | 2 | 2 | 2 | 2 |
| | Shelves (stainless steel) | 3 | 3 | 3 | 3 |
| | Door locking device | Yes | Yes | Yes | Yes |
| | Automatic Pressure Compensation | Yes | Yes | Yes | Yes |
| | UL approved for US - Y/N | Yes | Yes | Yes | Yes |
| | Plug Type | Nema 5-20P | Nema 5-20P | Nema 5-20P | Nema 5-20P |



inTEST Thermal Solutions (iTS) specializes in the design and manufacture of thermal test and process cooling systems. Our breadth of products and in-house engineering capabilities allow us to be a single-partner-solution for thermal test and process cooling needs.

We are recognized globally for our expertise in precise control of extreme thermal environments, from -185 to +500°C, with rapid transitions or long dwell times. The iTS family includes four product brands: Temptronic, Sigma Systems, Thermonics, and North Sciences. inTEST Thermal Solutions is a wholly owned subsidiary of inTEST Corp, Mount Laurel, New Jersey, USA.









ABOUT NORTH SCIENCES

Our North Sciences product line specifically offers ULT freezers, Lab Freezers, Medical Grade Refrigerators, and Biomedical Cold Storage solutions ranging from small and portable to powerful, large storage units. Our wide selection of -86°C, Ultra-Low-Temperature (ULT) freezers provide you with the most dependable performance and low maintenance while meeting a wide range of industry requirements.

With North Sciences, you're given the ultimate peace of mind with true sample security through our innovative technology capabilities and unique design. Stock is available and located in Boston, MA.









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