# TestEquity

# BUILT
## BY ENGINEERS, FOR ENGINEERS

Building world-class environmental test chambers for 20+ years. Designed by our in-house, industry-leading team of engineers in conjunction with industry standards and specifications. Rigorous testing and troubleshooting guarantee the highest level of accuracy and performance backed by our three-year warranty. Our comprehensive range of humidity and temperature test chambers are designed for any customer demand.

*Discover why the best labs begin with TestEquity*

800.950.3457
www.TestEquity.com

# Providing Solutions, Not Just Equipment

TestEquity has been a leading provider of test solutions and electronic production supplies for more than 45 years. Close partnerships with customers led us to manufacture our own environmental test chambers twenty years ago, addressing unmet needs in the marketplace.

Today we produce the highest quality benchtop and freestanding environmental chambers, temperature chambers and humidity chambers. Discover why companies from General Electric, General Motors and Google to NASA, Nokia and Amazon choose TestEquity chambers.

Ideal for testing electronic components, systems and finished products, TestEquity chambers are used by the world's largest manufacturers across industries. All standard models are available for purchase or rent and come fully assembled for easy, immediate use.

*"We use the original 1007C TestEquity chamber first manufactured 20 years ago to this day.*

*Accurately and reliably testing our components, which are used in everything from nuclear reactors to spacecraft, at extremely high and low temperatures and replicating conditions like those in space are absolutely essential. TestEquity chambers meet our requirements, often within tight budgets, because ultimately cost and functionality drive all that we do."*

**Steve Henning, Design Engineer, Technetics**

*First TestEquity chamber sold is still in production after 20 years.*

# Our Technology Advantages

All TestEquity chambers are digitally designed to the same specifications and standards for the highest quality. Our design and innovation, including interchangeable components, deliver more precision and greater value. And all TestEquity chambers come fully assembled and ready to go – just plug, play and start testing.

**Export and import as individual files via off-the-shelf USB flash drive**

- Quickly and easily transfer files to multiple chambers
- Controller configuration and profile snapshot can be exported/imported via USB
- Send logs of list parameters to .csv file

**State-of-the-Art F4T Touchscreen Controller**

Our next-gen F4T touchscreen controller is intuitive, easy to use, high performance and comes standard with free Composer software to create and archive profiles and chamber configurations.

- Multiple security levels
- Stores 50 profiles/50 steps each with battery back-up and real-time clock
- Profile archiving/transfer via USB flash drive
- Includes Ethernet Modbus® TCP and RS-232 Modbus® RTU interfaces
- Trend chart graphical display
- Automatic secure file transfer via Ethernet to remote PC computer

# What Makes Us Different?

When you learn how we operate, it's easy to see why TestEquity chambers are absolutely best in class.

## Precisely Accurate

Each chamber is built identically with standardized piping and wiring for repeatable precisely accurate performance. Minimum use of soldered fittings to reduce the possibility of refrigerant leaks.

## Superior Reliability

A robust self-regulating design means minimal adjustments and improved reliability. Electrical and refrigeration are also validated for performance over a wide range of operating conditions including an optimized design structure that increases performance. Because reliability matters.

## Indestructible & Tough

We understand you need a chamber that holds up to the most challenging tests. Our chambers are built tough to withstand years of use under the toughest conditions. Each chamber combines the latest advances in refrigerant, insulation, heat-exchanger, metal fabrication and microprocessor controller technology.

## Reversable Doors

You won't need to rearrange your whole bench or workflow thanks to reversable doors allowing the door to open from the left or right side. This is also useful when placing two chambers side-by-side.

## Remote Access

Monitor your tests while you or your team are not in the lab. An easy-to-use interface provides convenient interaction with your chamber. Easily monitor chamber performance, receive alarm notifications, see remaining test time, throttle values and actual process variables, plus see the status of tests in progress, all remotely.

## Lower Cost Of Ownership

Unlike competitive products, our chambers don't require a resident technician to keep them running. Our dedication to quality means our chambers rarely need repair or maintenance, which results in significantly lower cost of ownership.

## Warranty

Only TestEquity chambers come with a three-year warranty on parts and one-year warranty on labor at your domestic site. Our nationwide service network is qualified to do the job right. And we always have replacement parts in stock for immediate shipment.

## Made in the USA

Our chambers are proudly designed and built in the USA which allows for faster fabrication turnaround.

*1016 Chamber*

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# Chambers Selection Guide

Our selection of benchtop and freestanding chambers is the result of smart design, the most requested features and quality components. From streamlined to robust, TestEquity chambers are designed to meet your needs.

| Model | Inside Volume W*xH* xD* | Low Temp. | High Temp. | Humidity | Window/ Light | Features | Power |
|-------|------------------------|-----------|------------|----------|---------------|----------|-------|
| 155 | 0.55 Cu Ft, 12 x 8 x 10 | -20°C | +130°C | – | – | Benchtop | 115V or 230 V, 1 PH Switchable |
| 107 | 0.7 Cu Ft, 12 x 9 x 11.25 | -42°C | +130°C | – | – | Benchtop | 120V, 1 PH, 15A |
| TEC1 | 0.96 Cu Ft, 16 x 8 x 13 | +10°C | +60°C | – | – | Benchtop Thermoelectric Heating / Cooling | 115V or 230V, 1 PH Switchable |
| 101H | 1.1 Cu Ft, 13.8 x 11.8 x 11.8 | -30°C | +130°C | Yes | Yes | Benchtop or Floorstanding, Temp/Humidity | 120V, 1 PH, 15 A |
| 115A | 1.5 Cu Ft, 16 x 12 x 14 | -73°C | +175°C | – | Yes | Benchtop or Floorstanding | 120V, 1 PH, 20A |
| 115R | 1.5 Cu Ft, 16 x 12 x 14 | -73°C | +175°C | – | Yes | Stackable Up to 3 High Or Under Bench | 120V, 1 PH, 20A |
| 123C | 2.3 Cu Ft, 18 x 16.5 x 13.5 | -68°C | +175°C | – | Yes | Floorstanding | 120V, 1 PH, 20A |
| 123H | 2.3 Cu Ft, 18 x 16.5 x 13.5 | -68°C | +175°C | Yes | Yes | Floorstanding, Temp/Humidity | 120V, 1 PH, 20 A |
| 123HS | 2.3 Cu Ft, 18 x 16.5 x 13.5 | -35°C | +175°C | Yes | Yes | Floorstanding, Temp/Humidity | 120V, 1 PH, 20 A |
| 140 | 4 Cu Ft, 22 x 18 x 18 | -73°C | +175°C | – | Yes | Floorstanding | 208 or 230V, 1 PH |
| 1007S | 7 Cu Ft, 24 x 21 x 24 | -35°C | +175°C | – | Yes | Floorstanding | 208 or 230V, 1 PH |
| 1007C | 7 Cu Ft, 24 x 21 x 24 | -73°C | +175°C | – | Yes | Floorstanding | 208 or 230V, 1 or 3 PH |
| 1007H | 7 Cu Ft, 24 x 21 x 24 | -73°C | +175°C | Yes | Yes | Floorstanding, Temp/Humidity | 208 or 230V, 1 or 3 PH |
| 3007C | 7 Cu Ft, 24 x 21 x 24 | -73°C | +175°C | – | Yes | Floorstanding, Fast Ramp Rates, High Product Throughput | 208 or 230V, 3 PH |
| 3007-LN2 | 7 Cu Ft, 24 x 21 x 24 | -100°C | +175°C | – | – | Floorstanding, Very Low Temperature, Ultra Fast Ramp, Liquid Nitrogen Cooled | 208 or 230V, 3 PH |
| 1016S | 16 Cu Ft, 30 x 30 x 30 | -35°C | +175°C | – | Yes | Floorstanding; 3.5 HP | 208 or 230V, 3 PH |
| 1016C | 16 Cu Ft, 30 x 30 x 30 | -73°C | +175°C | – | Yes | Floorstanding, Temp/Humidity; 3.5 x 3.5 HP | 208 or 230V, 3 PH |
| 1016H | 16 Cu Ft, 30 x 30 x 30 | -73°C | +175°C | Yes | Yes | Floorstanding, Temp/Humidity; 3.5 x 3.5 HP | 208 or 230V, 3 PH |
| 1016H-2 | 16 Cu Ft, 30 x 30 x 30 | -73°C | +175°C | Yes | Yes | Floorstanding, Temp/Humidity; 2 x 2 HP | 208 or 230V, 1 or 3 PH |
| 3016C | 16 Cu Ft, 30 x 30 x 30 | -73°C | +175°C | – | Yes | Floorstanding, Fast Ramp Rates, High Product Throughput; 6 x 6 HP | 208 or 230V, 3 PH |
| 3016-LN2 | 16 Cu Ft, 30 x 30 x 30 | -100°C | +175°C | – | – | Floorstanding, Very Low Temperature, Ultra Fast Ramp, Liquid Nitrogen Cooled | 208 or 230V, 3 PH |
| 1027S | 27 Cu Ft, 40 x 32 x 36.5 | -35°C | +175°C | – | Yes | Floorstanding; 3.5 HP | 208 or 230V, 3 PH |
| 1027C | 27 Cu Ft, 40 x 32 x 36.5 | -73°C | +175°C | – | Yes | Floorstanding; 3.5 x 3.5 HP | 208 or 230V, 3 PH |
| 1027H | 27 Cu Ft, 40 x 32 x 36.5 | -73°C | +175°C | Yes | Yes | Floorstanding, Temp/Humidity; 3.5 x 3.5 HP | 208 or 230V, 3 PH |

* 50 Hz export voltage versions are available for all models.

## Available Options Include:

- GPIB interface
- Ethernet interface (F4T has a native Ethernet interface)
- Additional or larger ports
- Additional shelves and shelf slides
- Circular chart recorder (some models)
- GN2 purge and dry air purge (some models)
- Export and special import voltages
- Cascade control from test item
- Event relays
- Water circulation system (for humidity chambers)

## All Environmental Chambers Also Include:

- Expert environmental chamber and process control technical support when needed
- High/low limit controller (audible alarm on all except models TEC1, 101H, 155 & 107)
- Two access ports (except TEC1)
- Shelf (except TEC1)
- Best-in-class warranty: three years for parts, one year for labor

*"TestEquity has combined many of the best features of the top environmental test chambers on the market today into their affordable and reliable environmental chamber product line."*

**Chris Mahanna, President and Technical Manager, Robisan Laboratory Inc.**

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# Chambers Selection Guide

## Model 155 High-Efficiency Temperature Chamber

- Tri-Mode Cooling for 74% Power Savings (U.S. Patent No. 10,126,032)
- Part Temperature or Air Temperature Control
- 115/230V Switchable Input – Plugs into Any Outlet

## Model TEC1 Thermoelectric Temperature Chamber

- Thermoelectric Heating and Cooling - No Compressors,
- No Heaters
- Ideal for Testing Devices at Slightly Above or Below Room Temperature
- 115/230V Switchable Input – Plugs into Any Outlet

## Model 101H Temperature/Humidity Chamber

- Humidity 10% to 95% RH (see specs. for applicable temp. range)
- Compact Benchtop & Floorstanding Versions
- 120V Input – Plugs into Any 15 Amp Outlet

## 123 Series Temperature & Temperature/Humidity Chambers

- Humidity 10% to 95% RH (Models 123H, 123HS)  (see specs. for applicable temperature range)
- 120V Input – Requires 20 Amp Outlet
- 123C: -68°C to +175°C Temperature Only
- 123H: -68°C to +175°C Temperature & Humidity
- 123HS: -35°C to +175°C Temperature & Humidity

## Model 140 Temperature Chamber

- 208 or 230V, 1 PH Input

## Model 115A Temperature Chambers

- Compact Benchtop & Floorstanding Versions
- 120V Input – Requires 20 Amp outlet

*115R Chambers*

## Model 115R Stackable Temperature Chamber

- Compact Stackable Version Up to 3 High
- Optional Two (shown) and Three High Level Racks
- 120V Input – Requires 20 Amp Outlet

## 1007 Series Temperature & Temperature/Humidity Chambers

- 1007C: -73°C to +175°C Temperature Only
- 1007S: -35°C to +175°C Temperature Only
- 1007H: -73°C to +175°C Temperature & Humidity
- Humidity 10% to 95% RH (Model 1007H) (see specs for applicable temp. range)
- 208V or 230V, 1 PH or 3 PH Input

## 3007 Series FastRate Temperature Chambers

- Fast Temperature Transitions
- Model 3007C:  -73°C to +175°C
- Model 3007-LN2: -100°C to +175°C, LN2 Cooled Only (no compressors)
- 208V or 230V, 3 PH Input

## 1016 Series Temperature & Temperature/Humidity Chambers

- 1016C: -73°C to +175°C Temperature Only
- 1016S: -35°C to +175°C Temperature Only
- 1016H-2: -73°C to +175°C Temperature & Humidity (2x2 HP compressors)
- 1016H: -73°C to +175°C Temperature & Humidity (3.5x3.5 HP compressors)

## 3016 Series FastRate Temperature Chambers

- Fast Temperature Transitions
- Model 3016°C -73°C to +175°C
- Model 3016-LN2, -100°C to +175°C, LN2 Cooled Only (no compressors)
- 208V or 230V 3 PH Input

## 1027 Series Temperature & Temperature/Humidity Chambers

- 1027C: -73°C to +175°C Temperature Only
- 1027S: -35°C to +175°C Temperature Only
- 1027H: -73°C to +175°C Temperature & Humidity
- Humidity 10% to 95% RH (Model 1027H) (see specs for applicable temp. range)
- 208V or 230V, 3 PH Input

## Model 107 Temperature Chamber

- 120V Input – Plugs into any 15 Amp Outlet

*107 Chamber*

# TestEquity

TestEquity is the largest distributor of test and measurement equipment and environmental test chambers, offering flexible rental, certified pre-owned, and VMI services.

With the widest selection of solutions and unmatched technical expertise, we are committed to providing the right solutions promptly to meet your needs.

## We support the entire lifecycle of electronics

### Electronics Research & Design

**Key Areas:**
- Design
- Prototype
- Test

**Key Products:**
- Benchtop T&M equipment
- Solder & desolder equipment
- Environmental chambers

### Electronics Assembly

**Key Areas:**
- Production
- Quality control
- Assembly

**Key Products:**
- Solder & desolder equipment
- Process materials
- Static control

### Electronics Maintenance & Repair

**Key Areas:**
- Field service
- Maintenance & repair
- Electronics refurbishment

**Key Products:**
- Handheld T&M
- Process materials
- Solder & desolder equipment

## We carry the largest in-stock supply from top brands

KEYSIGHT · Tektronix · FLUKE · BK PRECISION · RIGOL · GW INSTEK · ROHDE & SCHWARZ · R&S · SIGLENT · HIOKI · Chroma

MAGNA-POWER · Pico Technology · DIGILENT · TELEDYNE FLIR · Elektro-Automatik · Weller · Erem · CGS Creative Global Services Inc. · TECHNI-PRO · ideal-tek

INDIUM CORPORATION · 3M · kester · BRADY · DESCO · SCS · EXCELTA · JBC · LOCTITE · Nordson EFD · PACE

## We offer many solutions

- T&M Equipment
- Test Chambers
- Certified Pre-Owned Equipment
- Rental Equipment
- Equipment Buyback
- Calibration Services
- Production Supplies
- Tool Kits
- Custom Tool Kitting
- Inventory Management
- ESD Audits
- Punchouts
- EDU Programs
- GSA Programs
- Bench & Chair Configurators

## We stock an extensive private label brand

**Techni-Pro provides** the widest range of high-quality electronics production products & supplies.

**Our products are competitively priced** and rigorously tested to ensure the highest quality and performance suitable for all applications.

**Who chooses Techni-PRO?** Engineers, managers and technical professionals who demand the highest quality at the best price.

# TECHNI-PRO

# TestEquity

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