



**North American EnviroSystems**



## **ALTITUDE TEST CHAMBER**



4634 Orkney Drive, Missouri City 77459, Texas



## MODELS

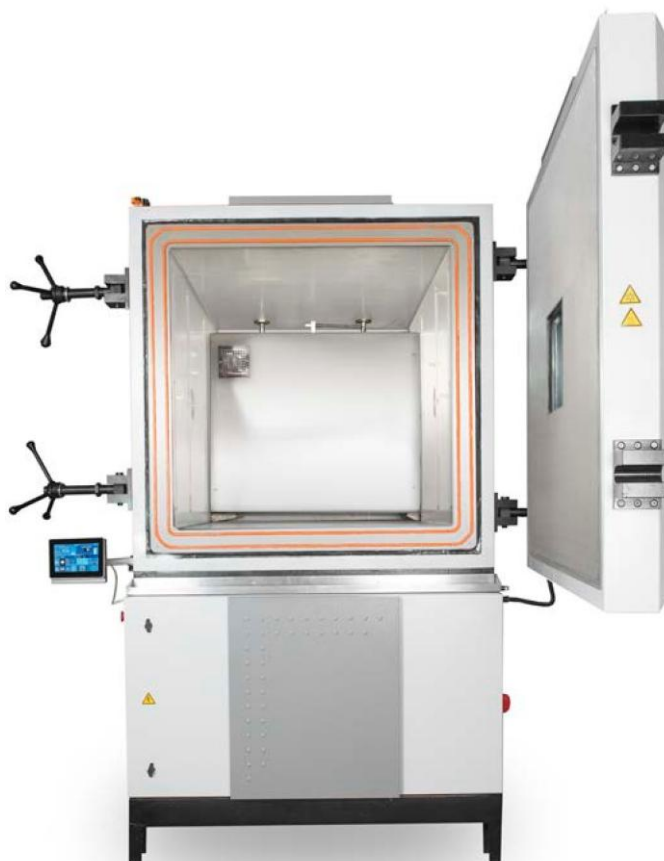
| Models              | Walk-In Altitude Chamber | Rapid Decompression Vacuum Chamber |
|---------------------|--------------------------|------------------------------------|
| Size (mm)           | 3000 X 3000 X 3500       | 2000 X 2000 X 3000                 |
| Temperature Range   | - 70° C to +150° C       | - 70° C to +180° C                 |
| Altitude Range      | 10 mbar                  |                                    |
| Door                | Motorised sliding door   |                                    |
| Rapid Decompression |                          | 1 Torr in < 1 min                  |





## ALTITUDE CHAMBER

The AT series are specially designed for the testing of aerospace products which are exposed to high altitude conditions. These simulators operate in a wide range of temperature and altitude of up to 50km above sea level.



## MODELS

| Models                            | AT-225-B                       | AT-560-B        | AT-1000-B          | AT-1500-B          |
|-----------------------------------|--------------------------------|-----------------|--------------------|--------------------|
| Test Space Dimension (WXDXH) mm   | 500 X 600 X 750                | 780 X 800 X 940 | 1000 X 1000 X 1000 | 1500 X 1000 X 1000 |
| Test Space Dimension (WXDXH) Inch | 20 X 24 X 30                   | 31 X 31 X 37    | 39 X 39 X 39       | 59 X 39 X 39       |
| Test Space Volume (Ltr / Cuft)    | 225 l 8                        | 560 l 20        | 1000 l 35.3        | 1500 l 53          |
| Temperature Range (°C)            | -70 to +150                    |                 |                    |                    |
| Temperature Range (°F)            | -76 to +302                    |                 |                    |                    |
| Ramp rate**(°C/min)               | 1/2/3/5/10/15/20               |                 |                    |                    |
| Altitude range (mbar)             | Upto 10, 1 [Optional]          |                 |                    |                    |
| Altitude range (Ft)               | Upto 100000, 150000 [Optional] |                 |                    |                    |
| Humidity %rh                      | 10 to 98 [Optional]            |                 |                    |                    |

Ramp rate as per requirement

CATH - Combined Altitude, Temperature and humidity chamber

Rapid Decompression available

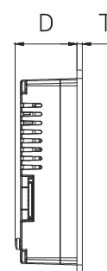
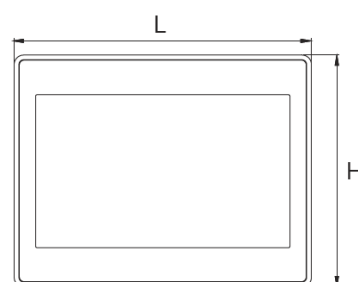
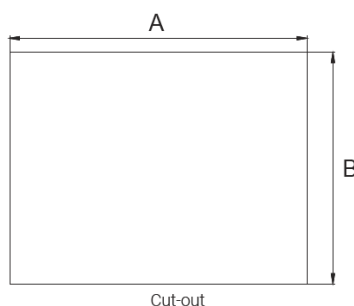
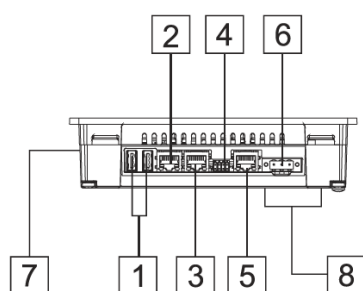


## enviCoM™ 4.0

### Open architecture control platform for connected environmental testing



- Industry 4.0 Product Concept
- HW and FW Optimised for Extremely Fast Operation
- System and Project Rapid Boot-Up
- OS Linux RT
- JMobile – the software that powers the X Platform
- CODESYS V3 with Ethernet I/O Stacks
- Multitouch and Gesturing
- Brilliant Display
- Wide Angle Visibility
- Beautiful 16,000,000 Colors
- Resistant to Scratches, UV and Chemicals
- Total Glass Design
- Network Separation possible via Up to 3 Ethernet
- Networks with different IP addresses
- Plug in Modules for System Expansion
- IECEx, ATEX, DNV-GL, UL certification: Ordinary and Class 1 Div 2



Cut-out

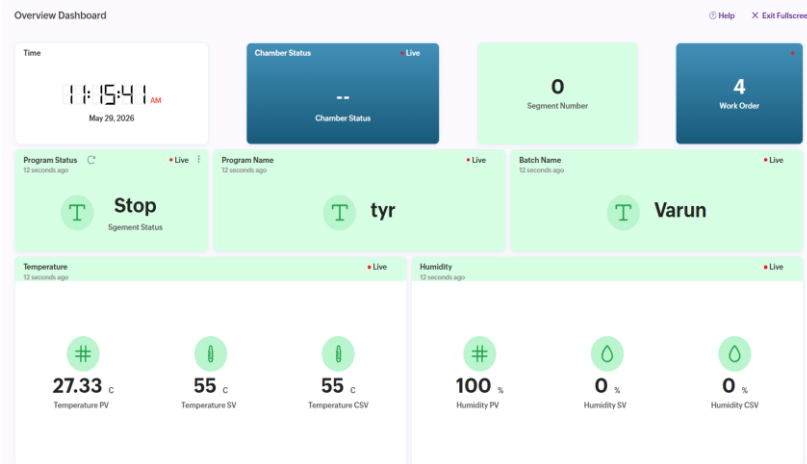
- 1 USB ports 1 and 2
- 2 Ethernet port 2 (10/100 Mb)
- 3 Ethernet port 1 (10/100 Mb)
- 4 Serial port
- 5 Ethernet port 0 (10/100/1000 Mb)
- 6 Power supply
- 7 SD Card slot
- 8 2 Expansion slots for plugin modules

|               |                                                                                              |
|---------------|----------------------------------------------------------------------------------------------|
| Ethernet port | 3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)                                   |
| USB port      | 2 (Host V2.0, max. 500 mA)                                                                   |
| Serial port   | 1 (RS-232, RS-485, RS-422, software configurable). Max 3 serial ports using plug-in modules. |
| SD card       | Yes                                                                                          |
| Expansion     | 2 slot for plug in modules                                                                   |



## Levito IOT:

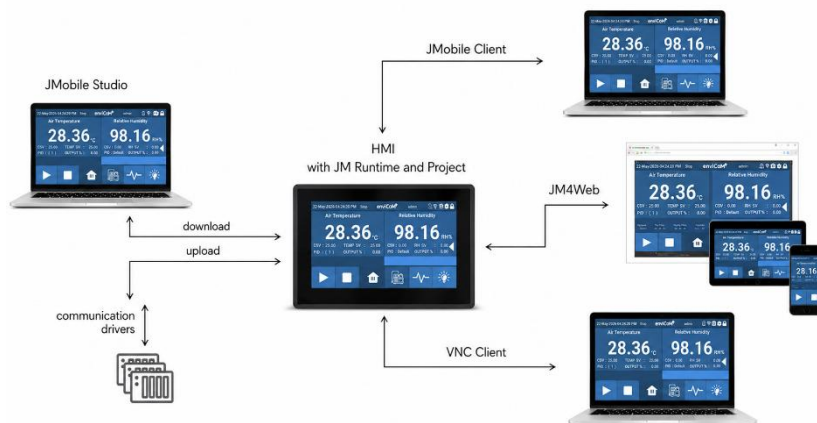
MQTT and IoT cloud layer for dashboards, alerts, and analytics



- MQTT broker enables IoT communication for industrial sensors and machines
- Levito IoT cloud provides real-time monitoring and remote visibility
- Dashboards track temperature, humidity, compressor status, and energy
- Alarm notifications, maintenance reminders, and cycle-end reports
- Cloud backup supports historical analysis and reporting

## J-Mobile Remote Diagnostics & Support:

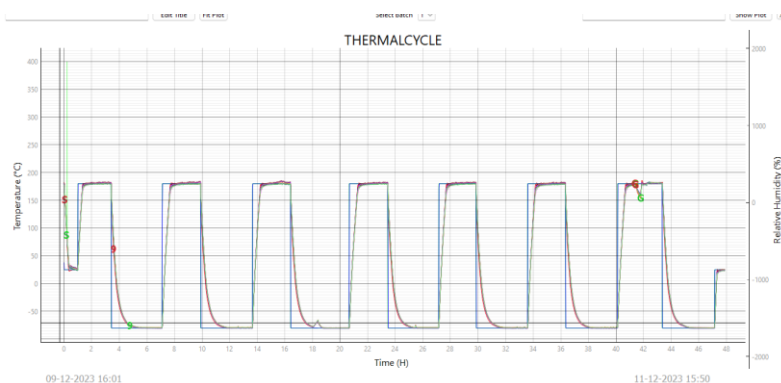
Mobile remote monitoring, notification, and troubleshooting support



- Monitor temperature, humidity, setpoints, and chamber status in real time
- Remote start/stop and basic operational control
- Alarm and event notifications for quick response
- Secure authentication with access-level management
- Remote diagnostics help reduce downtime and speed support

## enviCoM™ 4.0 Reports

CSV-to-report workflow with graphs, alarms, events, and PDF output



- Convert CSV batch files into formatted reports
- Generate graphical test data representation with alarm codes
- Create PDF reports with test results and custom report fields
- Produce alarm, event, and historical data reports



# North American EnviroSystems



## THEY TRUST US

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |





# North American EnviroSystems



|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |





# North American Envirosystems



## PRESENCE

### EUROPE

Hungary  
Poland  
Russia  
Turkey  
UK

### ASIA

India  
Indonesia  
Iran  
Singapore  
Thailand  
Vietnam  
UAE

### NORTH AMERICA

Mexico  
USA

