North American Envirosystems

ALTITUDE TEST CHAMBER



4634 Orkney Drive, Missouri City 77459, Texas



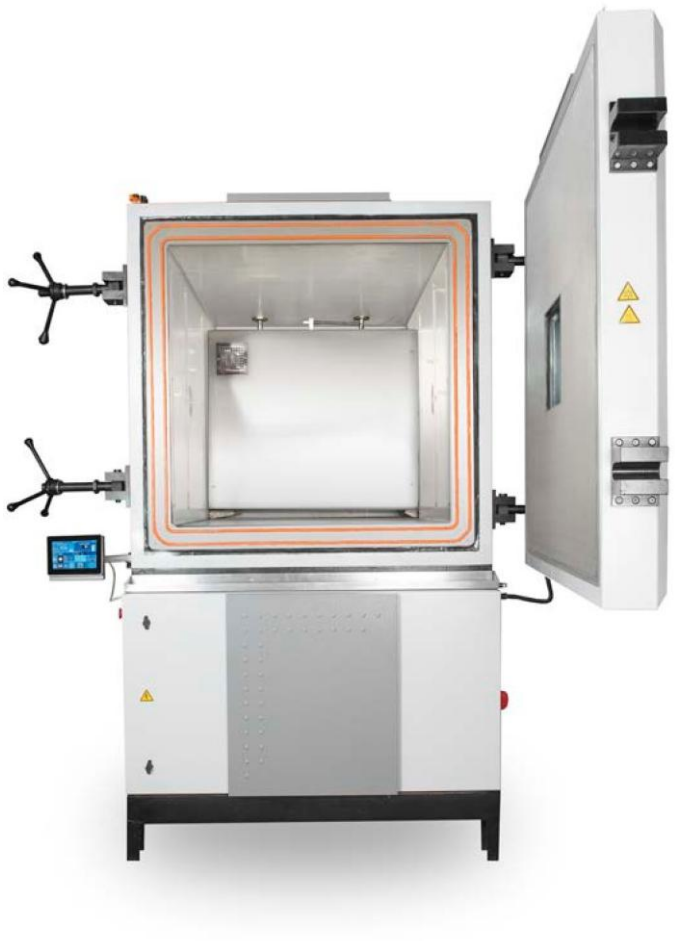
MODELS

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

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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 I 8	560 I 20	1000 I 35.3	1500 I 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

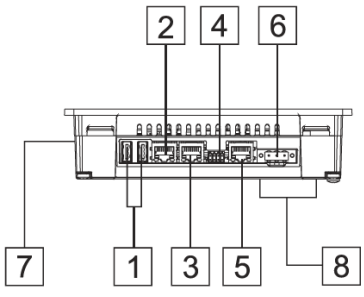
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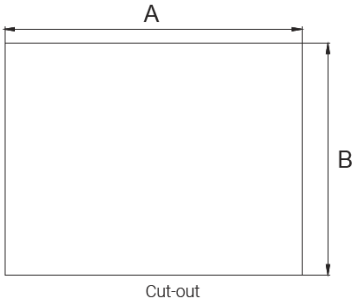
enviCoM™ 4.0

Open architecture control platform for connected environmental testing

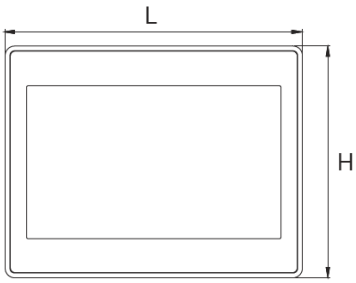


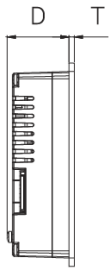
- Industry 4.0 Product Concept
- HW and FW Optimised for Extremely Fast Operation
- System and Project Rapid Boot-Up
- OS Linux RT
- JMobile – the software that powers the X Platform
- CODESYS V3 with Ethernet I/O Stacks
- Multitouch and Gesturing
- Brilliant Display
- Wide Angle Visibility
- Beautiful 16,000,000 Colors
- Resistant to Scratches, UV and Chemicals
- Total Glass Design
- Network Separation possibile 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



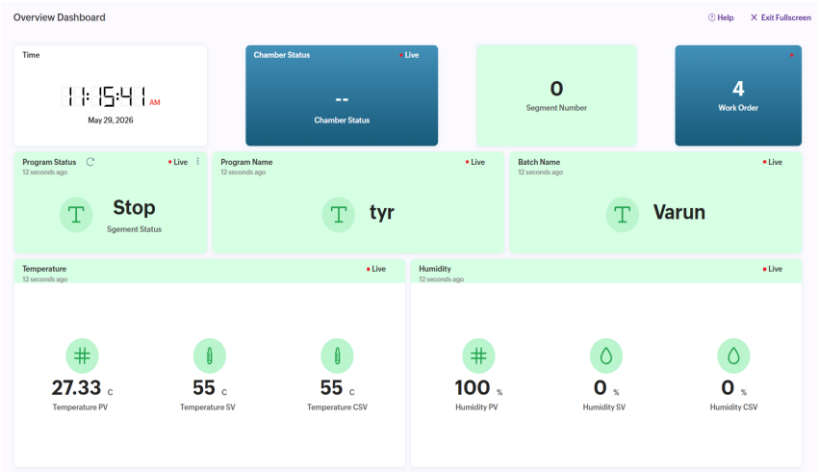


1 USB ports 1 and 2
2 Ethernet port 2 (10/100 Mb)
3 Ethernet port 1 (10/100 Mb)
4 Serial port
5 Ethernet port 0 (10/100/1000 Mb)
6 Power supply
7 SD Card slot
8 2 Expansion slots for plugin modules

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:

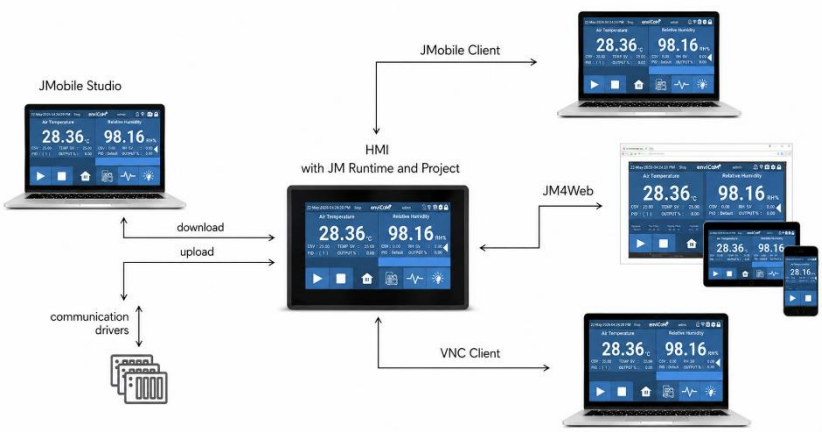
MQTT and IoT cloud layer for dashboards, alerts, and analytics



- 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:

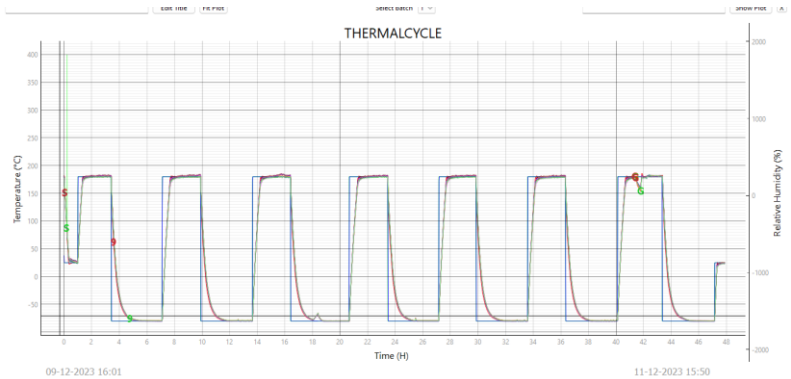
Mobile remote monitoring, notification, and troubleshooting support



- 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

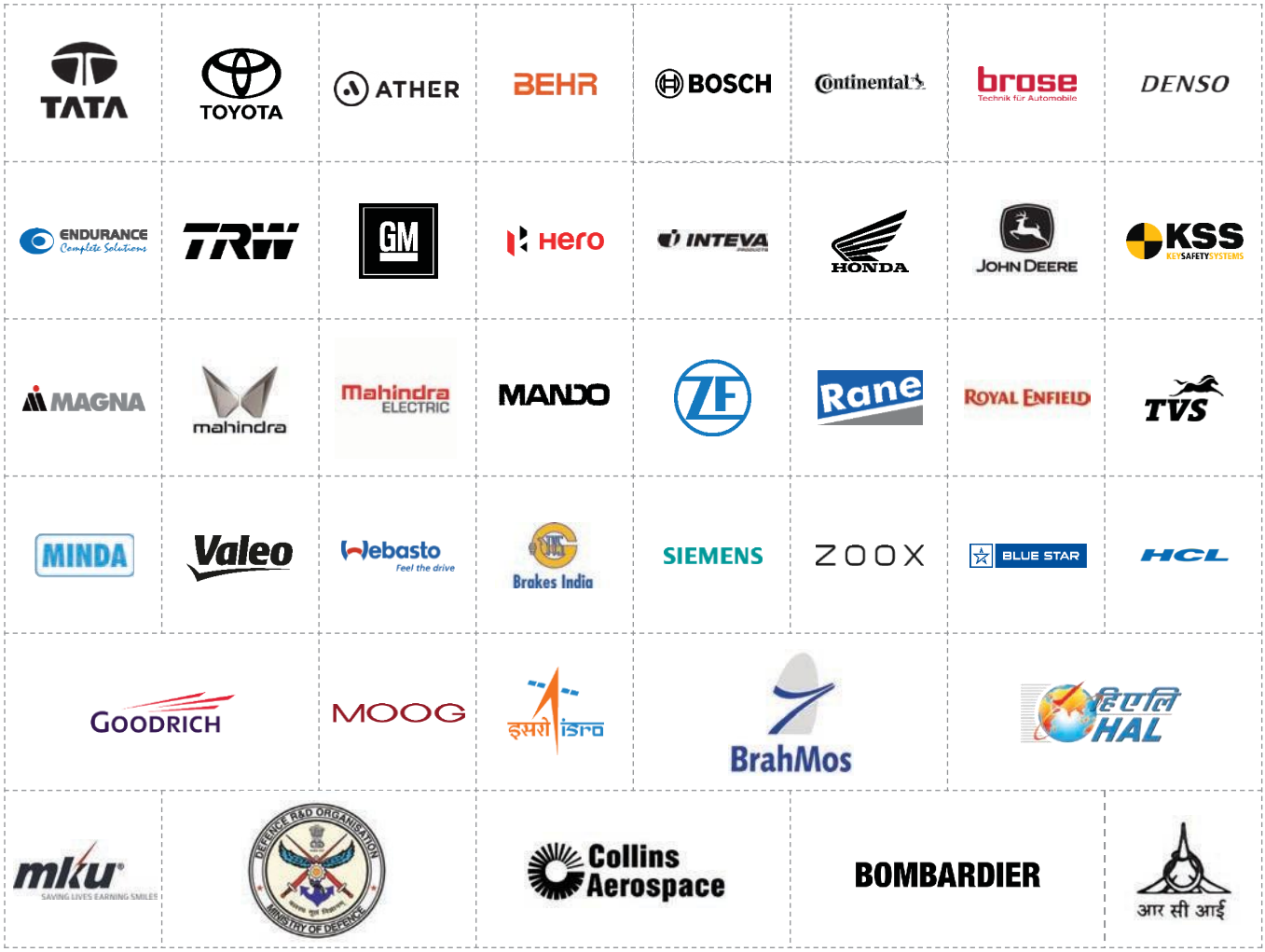


- Convert CSV batch files into formatted reports
- Generate graphical test data representation with alarm codes
- Create PDF reports with test results and custom report fields
- Produce alarm, event, and historical data reports

THEY TRUST US



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