



# ID 301

Climatic Test Cabinet



N-wise



The ID 301 Climatic Test Cabinet has been developed to revive natural climatic conditions. The wide temperature and humidity control range of ID 301 allows many products to be tested in different climatic conditions, and stability, artificial aging and shelf-life tests can also be easily carried out.

Reliability, performance, ease of use and safety features, the ID 301 is an indispensable device in quality control and R&D studies in the industrial sectors.

#### Industries used:

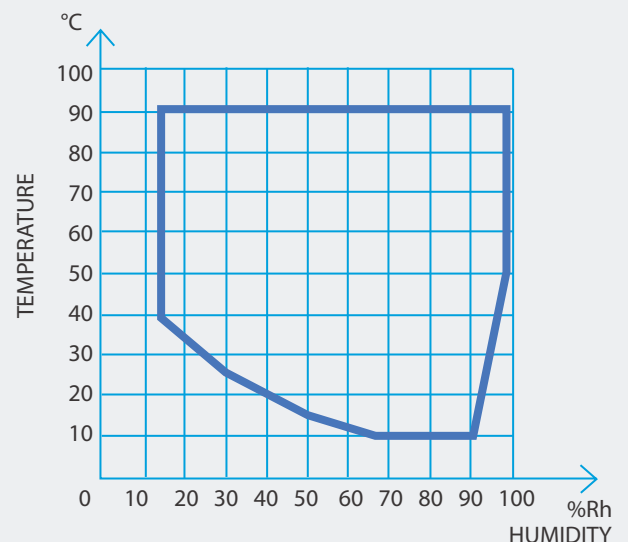
- Electronics Industry
- Automotive Industry
- Communication Industry
- Automotive Supply Industry
- Glass Industry
- Aircraft and Aviation Industry
- Chemical Industry
- Plastic Industry
- Textile Industry
- Pharmaceutical Industry
- Construction Materials Industry
- Food Industry
- Packaging Industry
- Military Equipment and Weapons Industry

## ROBUST AND RELIABLE DESIGN

- Stainless steel chamber that is not affected by sudden temperature changes
- Outer body including the door made of epoxy-polyester coated stainless steel to resist high humidity levels
- Triple insulation consisting of high density injected polyurethane, glass wool and aluminium layer
- Double door seals with heated surface
- Door window consists of quintuple glass for perfect insulation
- Heated window against condensation
- Interior lighting to easily follow the samples
- Ø80 mm. access port as standard

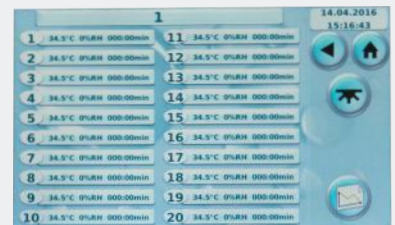
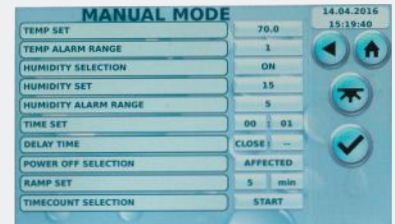
## CLIMATE CONDITIONS CLOSEST TO NATURE

- Humidity provided by the humidity generator
- Accurate humidity measurement even at high temperatures with precise humidity sensor
- PID-controlled heating and proportionally controlled cooling and humidification
- Powerful air circulation system maintaining temperature and humidity uniformity and stability even at low temperature.



## BEST CLIMATE CONDITIONS PROVIDED BY N-WISE™ CONTROL SYSTEM

- Ergonomic operation with 7" color touch screen placed on the door
- 20 program memories for frequently repeated applications
- 20 programmable steps for each program
- Possibility to repeat the program 99 times
- Programmable ramp function for heating and cooling as °C/minute or time period
- Possibility of altitude programming to calculate dew point temperature according to psychrometric diagram
- Comprehensive self-diagnostic system to provide the information regarding any malfunction
- Massive data storage with 2 GB internal memory
- Adjustable electronic safety thermostat
- Large internal memory of 2 GB
- Adjustable electronic safety thermostat
- RS 232 for computer, Ethernet for internet connection and USB port for external memory
- External temperature probe connections for four pieces PT 100 temperature probes will ensure measured temperatures to be displayed on the display



## IMAGING, TRACEABILITY AND COMMUNICATION

- Operating parameters can be tracked graphically against time
- Data tracking on PC via N-Wise Closer™ software
- USB port to record the data in the memory to a memory with selectable time intervals between 1 and 60 minutes
- Optional N-Wise Closer™ software, to connect to ID 301 via the internet for programming, tracking of recording data and checking error history
- Sending e-mails up to five e-mail addresses with the details of failure
- Audible alarms and on-screen messages in plain language, no codes
- Optional AlerText™ for the ultimate security will send a text to cell (mobile) phones
- Wi-Fi connectivity standard for the N-Mobile™ phone app

## TECHNICAL SPECIFICATIONS

Chamber Volume litres	290
Temperature Range without Humidity	-40°C / +150°C
Temperature Range with Humidity	+10°C / +90°C
Humidity Range	15% / 98% Rh
Control System	N-Wise™ Control System
Display	7" color touch screen
Temperature Set and Reading Sensitivity	0,1°C
Humidity Set and Reading Sensitivity	%1 RH
Timer	1 min. to 999 hours 59 min for Each Step and Hold Position
No of Program Memory	20 Programs with 20 Steps and 1 Program without Step
No of Steps	20
No of Program Repetition	1-99
Memory Capacity	2 GB
No of Shelves Standard/Max.	2 / 16
Internal material	Stainless steel
External material	Electrostatic powder coated stainless steel
Power Rating	7500 W
Power Supply	400 V - 50 Hz / 3 phase
Internal Dimensions (WxDxH) mm	605x625x785
External Dimensions (WxDxH) mm	950x1580x1650
Packing Dimensions (WxDxH) mm	1050x1760x1920
Net/Packed Weight kg	414 / 595

### FACTORY FITTED OPTIONS

ID XXX Automatic water supply unit

### OPTIONS

A 08 191 AlerText™ GSM alarm module (Sim card not included)  
I 01 067 Portable PT 100 temperature sensor

### ACCESSORIES

R 01 128 Stainless steel wire shelf  
P 03 566 Shelf carrier

**Note: 4 shelf carriers must be ordered for each shelf.**



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ISO 9001: 2015  
ISO 13485: 2016