

# ID 301 CLIMATIC TEST CABINET POWERED BY N-Wise™

- Ideal design for the tests at different climatic conditions and stability, artificial aging and storage tests in industries such as electronic, automobile, automobile supply industry, aircraft and aviation, chemical, plastic, textile, pharmaceutical, construction material, food, packaging and military equipment
- Chamber volume: 290 liters
- Wide range of temperature control: - 40°C / +150°C
- Humidity range: 15 % - 98 % Rh (Between 10°C / 90°C)
- Stainless steel chamber resisting 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 for easy follow up of the samples
- Ø80 mm. access port as standard
- Humidity produced by the reliable humidity generator
- Accurate humidity measurement even at high temperatures by sensitive humidity sensor
- PID controlled heating and proportional controlled cooling and humidification
- Powerful air circulation system maintaining temperature and humidity uniformity and stability even at low temperatures
- N-Wise™ control system for continuous optimization of climatic conditions
- Full information with 7" colourful touch screen mounted on the door
- Twenty program memories for frequently operated applications
- Programmable 20 steps for each program
- Program repetition up to 999 times
- Programmable ramp function for heating and cooling as °C/minute or time period
- Comprehensive self-diagnostic system to provide the information regarding any malfunction
- Massive data storage with 2 GB internal memory
- Adjustable electronic safety thermostat

- External temperature probe connections for four pieces of PT 100 temperature probes that ensure measured temperatures to be displayed on the screen.
- Operating parameters can be tracked graphically against time
- Data tracking and storage on PC via N-Wise Closer™ software
- USB port to record the data in the memory to an external memory with selectable time intervals between 1 and 60 minutes
- Ethernet port for remote access through internet by means of optional N-Wise Closer™ software
- 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
- For ultimate security optional AlerText™ sends a text message to mobile phones



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## Technical Specifications / ID 301 Climatic Test Cabinet

Chamber Volume	290 litres
Temperature Range without Humidity	- 40°C / +150°C
Temperature Range with Humidity	+10°C / +90°C
Humidity Range	15% / 98% RH
Control System	Programmable microprocessor N-Wise™ control system
Display	7" colourful touch screen
Temperature Set and Reading Sensitivity	0,1°C
Humidity Set and Reading Sensitivity	1% RH
Timer	1 minute-1000 hours for each step and hold position
No of Program Memory	20 + 1 program with step
No of Steps	20
No of Program Repetition	1-99
Altitude Setting	0 - 2000 meters
Memory Capacity	2 Gb
No of Shelves Standard/Max.	2 /16
Inner Surface Structure	Stainless Steel
External Surface Structure	Electrostatic powder coated stainless steel
Power Consumption	7500 W
Power Supply	400 V, 50 Hz.,3 phases
Internal Dimensions ( WxDxH) mm	605x625x785
External Dimensions ( WxDxH) mm	950x1540x1650
Packing Dimensions ( WxDxH) mm	1090x1660x2070

## Options & Accessories / ID 301 Climatic Test Cabinet

### FACTORY FITTED OPTIONS

ID XXX A Automatic water supply unit

### OPTIONS

- A 08 191 AlerText™ GSM Alarm Module (Sim Card not included)
- A 08 226 CD for N-Wise Closer™ software (with 3 m RS 232 cable)
- I 01 067 Portable PT100 temperature sensor
- R 01 128 Stainless steel wire shelf
- P 03 566 Shelf carrier (Must be ordered 4 pcs for each shelf)