

## **YORLAB® STABILITY TEST CHAMBER MICROPROCESSOR CONTROLLED** **Model No.: YSL / YSI-458**



### Specifications:

- Most versatile and highly reliable chamber ideal for stability & shelf life test for drugs, its substances & various other products / devices for research and quality control examinations in pharmaceutical, food and cosmetics industries and biotechnology. Capacitance type Humidity Sensor for direct display of Humidity and temperature with user friendly Microprocessor control system for setting and control of run parameters.
- Unique insulation endow with highly precise and constant temperatures.

### Construction :

- Outer body is made of 304 Grade Stainless Steel (dull buff finish) / CRC Sheet duly powder coated and the inner chamber is made of 304/316 Grade Stainless Steel (#4 finish).
- It has provision for allowing wide range of shelf positions & spacings.
- Stainless steel trays are also provided. Chamber is duly insulated to minimize heat loss. Also fitted with a door operated lamp for illumination inside the chamber.

Conceded aesthetic design caster wheels are provided at bottom for easy mobility.

### Control Panel :

- All controls and circuitry are housed at the top of the chamber and therefore protected from spillage. Separate indicator lamps for mains, heating and cooling are fitted.
- Temperature setting fine and coarse knobs allow the user to set any desired temp.YORK stability chambers.
- The Chamber is incorporated with RS 485 port (optional) and software to enhance the performance and utility and PC interface allows the user to monitor the performance of number of cabinets even from very remote location.
- The Data obtained from various stability Chambers/Incubators and deep freezers with in the Lab can be stored and analyzed with windows based software. Reports are generated both in tabular and Graphical formats.
- The security features in the Software are in accordance with the requirement of 21 CFR Part-11 (optional).
- Suitable to work on 220 V, Single Phase, 50Hz supply.

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**Optional Features :**

- The Chamber illumination is carried out by fluorescent or Ultra Violet Lights.
- 8 Channel temperature/ Humidity Data Logger.
- Printer interface with data storage facility.
- Cyclic timer for regulating illumination conditions.
- Ready to use stand by refrigeration system incase of regulars system fails. This includes compressor, evaporator, condensers and other accessories.
- PLC system for auto changeover of standby system.
- Dedicated safety controller with separate sensor to switch of the power supply incase of over shoot and under shoot of temperature giving audio visual alarm.
- LCD display with touch screen for ease in handling & setting of various parameter.
- Mobile alert via GSM technology incase system fails.



**Corrosion Free Rigid Construction.**

Inner Chamber is made of Seamless Corrosion resistant Stainless Steel 304 for a longer life time.



**Temperature Uniformity.**

Excellent temperature uniformity is obtained by incorporated PID control system which maintains the temperature very precisely.

**Low Power Consumption Algorithm.**



Smart Microprocessor act in response to any selectable temperature more quickly compared to other system, thus saving of energy.

**Automatic Key Lock Feature.**

This feature ensures that no manipulation could be done within the system while operated by an un-authorized person.

**Salient Features :**

- Designed in accordance with ICH guidelines. Manufactured to comply with the requirements of cGMP for stability and Shelf life test on drugs and drug substances.
- Microprocessor controlled for high stability and ease in operating.
- Menu driven 10 program memory.
- Audio Visual alarm warnings of Temp. & RH variation and low water level.
- Non volatile memory for data storage up to 2500 records.
- Validation protocol for IQ, OQ, PQ & DQ as per ICH guidelines.
- 8 channel mapping of temperature and humidity with calibration certificate.
- High voltage safety cutoff for unit protection.
- Adjustable print interval.
- Centronics interface for keeping hard copy of Temp., Humidity, Time & Date.
- Built in safety circuit, which cuts off system & stops unit in case of malfunction of microprocessor.
- Safety thermostat to prevent over heating.
- Display of set value and process value.
- Superior insulation ensures temperatures stability and reduces energy consumption.

**TECHNICAL DATA**

Volume Litrs.	Approx Working Space (cm) WxDxH	Approx External Dim. WxDxH	Temperature		Humidity	
			Range	Accuracy	Range	Accuracy
170	50x41 x84	62 x67x138	10°C to 60°C	± 1°C	40% to 95%	± 3%
285	58 x49 x 99	70x 75x 153	10°C to 60°C	± 1°C	40% to 95%	± 3%
340	62 x52 x 102	74 x 78 x 151	10°C to 60°C	± 1°C	40% to 95%	± 3%
450	70x 71 x110	83 x 87x 174	10°C to 60°C	± 1°C	40% to 95%	± 3%