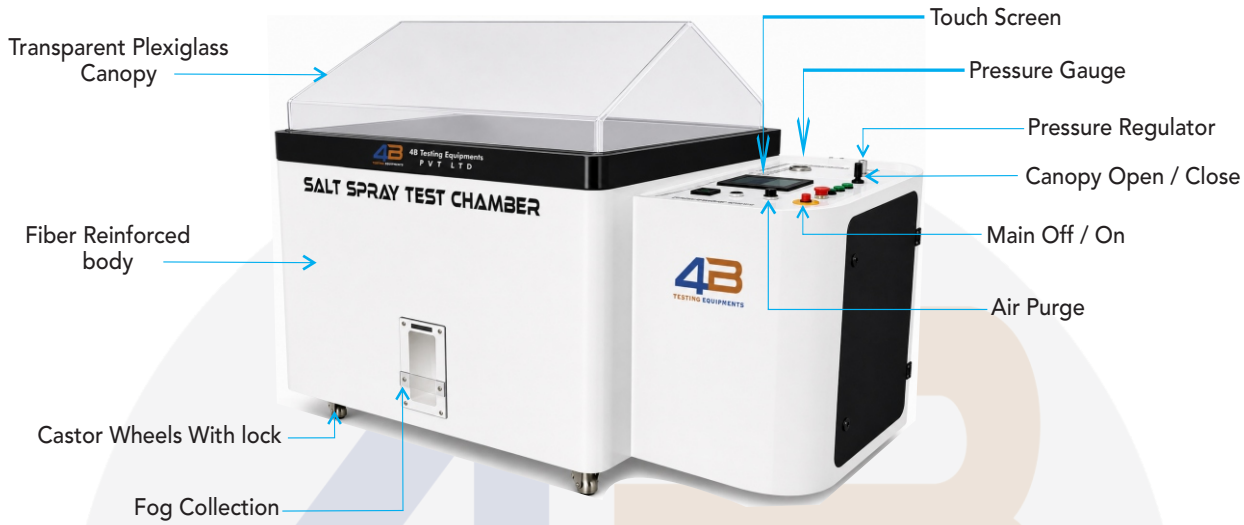
# SALT SPRAY TEST CHMABER - HMI




The 4B TESTING EQUIPMENTS *Salt Spray Tester is a consistent tool useful for checking the corrosion resistance of surface coatings when exposed to salt laden environments. This instrument provides simulation of real time weathering conditions. 4B TESTING EQUIPMENTS Salt Spray tester is manufactured under various test Standard ASTM B 117 and JIS Z 2371.

- Programable PLC - HMI Touchscreen Control Panel.
- Ethernet Connectivity- to connect with other devices using LAN (Optional).
- Also to connect any computer or other electronic devices to its network as long as the device has an Ethernet adapter or network card.
- Inbuilt temperature settings
- Salt Spray Test mode enabled to set parameters according to test sample
- Temperature setting and Preset Timer functions incorporated in HMI for accuracy and repeatability
- Corrosion Resistant PT-100 sensor
- Solid state digital Programmable Temperature Controller
- Program profile for selecting test parameters and performing the test.
- Easy Data Management. User can create PID settings, Air Saturator settings, test temperature, test and air purge time etc.
- Current test running status display
- Robust Construction with Fiber reinforced body(Triple wall)
- Ease of use of sample placements inside the test chamber
- Pneumatically operated canopy.
- Air purge after test for fog settlement.
- Microprocessor based inbuilt PID controller
- Reservoir Tank inside sponge filter available
- Auto Tuning feature selection
- Run time vs temperature graph
- Data recording with temperature data reading
- USB option available.
- Option available to set PV and SV value
- User can control PID settings through Advanced Hysteresis setting
- Angle of Canopy maintained in order to restrict flow of droplets directly on the test sample.

Pneumatic Canopy Lift System



Specimen Positing





Air Monitoring device with Low Air Alarm

Control Panel



Air Saturator Auot Level



## Specification :-

| | |
|---|---|
| Display | HMI Based Touch Screen 7 " |
| Chamber Temp Range | Ambient to 40°C |
| Test Chamber Temperature Range | 35°C ± 2°C |
| Chamber Temperature Least Count | 0.1° C |
| Chamber Temperature Repeatability | ± 2° C |
| Air Saturator Temperature Range | 40° C - 49° C |
| Air Saturator Temperature Least Count | 0.1° C |
| Air Saturator Temperature Repeatability | ± 2° C |
| Power | 220, Single Phase 50 Hz, 15 A |
| pH value of Salt Solution | 6.5 to 7.2 pH |
| Temperature Control | PID Temperature Controller |
| Timer | 6 Digits |
| Test Air Pressure | 0.7 Kg/cm² - 1.2Kg/cm² |
| Air Regulator | 0 to 30 psi |

**Highlights:**

| | |
|---|---|
| Air Saturator water Level low alarm | Yes |
| Fog Collection Funnel | 1 |
| Air Purge | Auto/Manual |
| Air Saturator Auto Refilling | Yes |
| Material | Fiber Glass |
| Over Temperature Alarm | Yes |
| Reservoir float valve | Yes |

- Online pH meter available on request.
- **Cass Test Chamber** available in above size.
- Cyclic corrosion test chamber available on request.
- Humidity indicator and sensor stand alone.



Standard Supply :

All Models are equipped with Auto Air Purging, Time totaliser, Timer, Air Regulator, Pressure Gaugeand, Specimen racks

Due to continuous improvement, specification are subject to change without prior notice.

**Related Standards :**JIS Z2371 / DIN 50021 / ASTM B117 / IS:5528 / IS:6910 / ISO:3768

| MODEL | Internal Size : (in mm) | External Size : (in mm) |
|---|---|---|
| JUPITER - 150 | 660 x 560 x 500 | 1200 x 850 x 1120 |
| JUPITER - 300 | 800 x 600 x 700 | 1752 x 1050 x 1420 |
| JUPITER - 500 | 1000 x 720 x 720 | 1800 x 1040 x 1350 |
| JUPITER - 1000 | 1600 x 700 x 800 | 2750 x 1170 x 1650 |

Note: pH+Conductivity+TDS Meter also available.

# 4B Testing Equipments PVT LTD

## New Innovative Add On features in Salt Spray Test Chamber

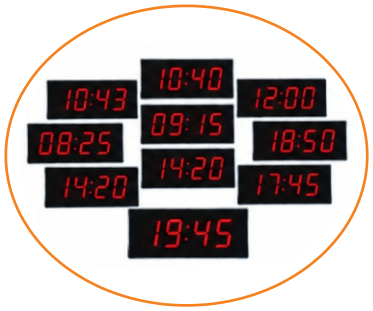
- Web Monitoring through which allows direct monitoring of register data via web-page, and requires no additional software installation.
- Ethernet Connectivity to connect with other devices using LAN and internet.
- 10 Preset Timers - **TIMERS WILL TAKE CARE OF YOUR SAMPLE TIMING**
- Also to connect any computer or other electronic devices to its network as long as the device has an Ethernet adapter or network card.
- Built-in Real VNC server that allows remote monitoring and operating of the HMI functions Via Real VNC APP (Windows, iOS, Android).
- Option to interchange HMI fonts between HINDI and ENGLISH for operator convenience to operate and access database using Hindi Langauge.

## New Innovative Done

ETHERNET CONNECTIVITY



10 PRESET TIMERS



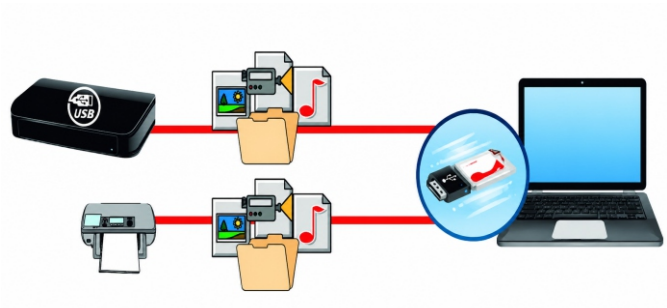

HINDI LANGUAGE INTERFACE




## Web Monioring

Allows direct monitoring of register data via web-page, and requires no additional software installation.



# 4B Testing Equipments Pvt Ltd

## 10 Preset Timer



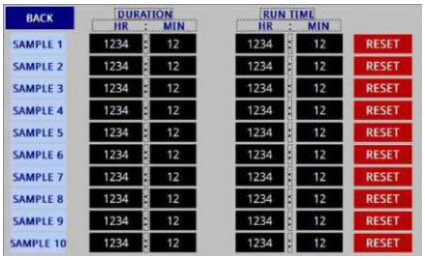

Timers will take Care of your sample timings

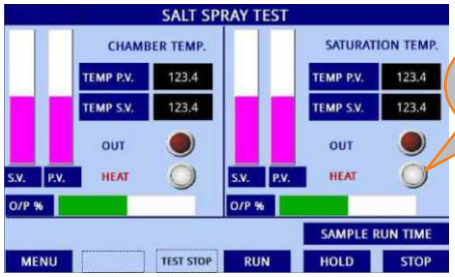


Forget Note Pads

## Benefits & Features of Preset Timers

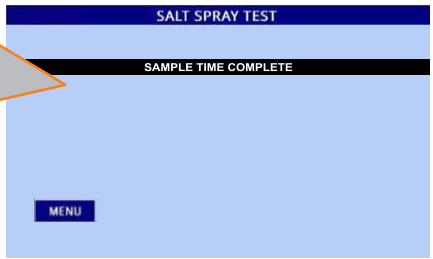
- When there was only single timer for which process and chamber then you would had to note down the timings manually for a new lot inserted in b/w the test, but now there are 10 different timers which can work independently.
- You can preset the timing you want for a particular sample or lot to test.




QUICK ACCESS FROM TEST SCREEN

AUTOMATICALLY GIVE PROMPT MESSAGE ON MAIN SCREEN WHEN PARTICULAR SAMPLE TIME COMPLETED

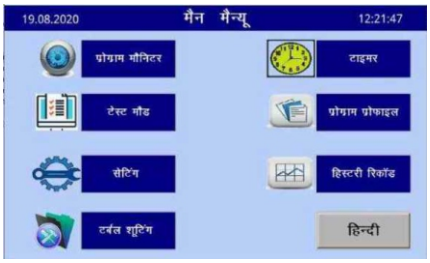



## Hindi Language Interface

A STEP FOR

Ensuring communication without language barrier

- Since HINDI is the mother tongue of INDIA, so most of the machine operators who actually interact with the machine to perform test are comfortable in HINDI language.
- For operator convenience we have provided option to interchange HMI fonts between HINDI and ENGLISH.
- User can access database using Hindi language also.




*Contact us:*

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