



innovative solutions

Thermal Stability Test Apparatus

As per IS:5831, IS: 10810 (Pt. 60) & IEC 540

Model SSI - 501 TSH

CE An ISO 9001:2008 Company
GMP compliant

Thermoplastics and PVC materials when exposed to continuous heat, degenerates and emit harmful acidic gases. The instrument is manufactured for testing PVC materials against their thermal stability at higher temperature. The basic principal is that the pH paper changes its color when it comes in contact with halogen gases, released by PVC and its compounds on heating at higher temperatures.

The Instrument is especially designed to suit the requirement of **IS: 5831** , **IS: 10810 (Pt.60)** & **IEC:540**.

The instrument consists of

- ✦ One solid Aluminum block used as the heating medium. The Aluminum block is manufactured using solid aluminum rod. The block is free of any air bubbles to give uniform heating throughout the block
- ✦ Holes are drilled in the aluminum block for keeping the sample. There are in all 17 holes. One hole is for RTD PT 100 sensor s and sixteen for sample Test Tubes
- ✦ Specially designed heater is placed under the heating block. The heater is designed to give uniform heat throughout the thermal block.
- ✦ Digital Temperature Indicating Controller for precise setting & control of temperature. The temperature controller provides accurate temperature over long period of time.
- ✦ Touch screen HMI is provided to control the Thermal Stability Test Apparatus. The HMI controls / indicates temperature and timers during the test period.
- ✦ HMI screen shots are designed for each sample holder. The timer for that particular sample can be switched on the HMI by pressing the timer button. When the test is over, the timer can be switched off by pressing the button on the HMI. The screen can then be saved on a pen drive.
- ✦ Ethernet connection is provided to take the screens on Lap Top. Pen Drive connection is provided on the instrument to save the screens directly from HMI.

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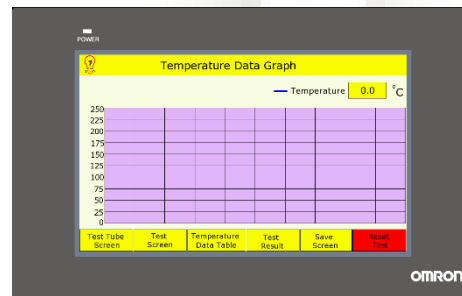
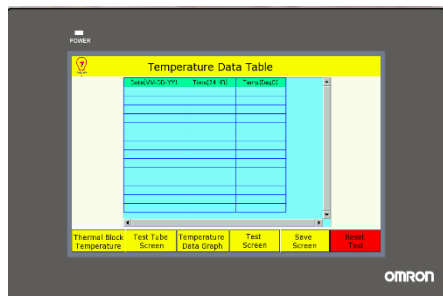
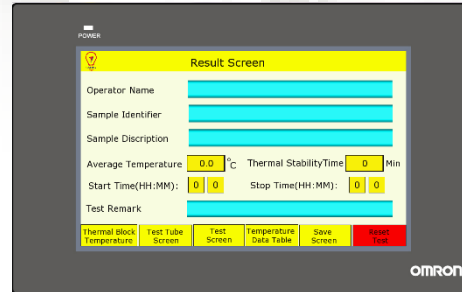
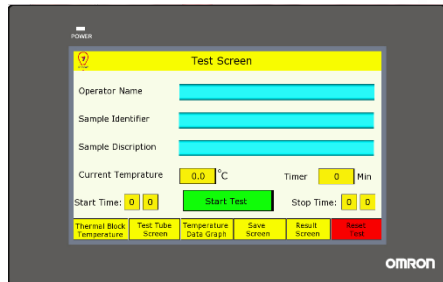
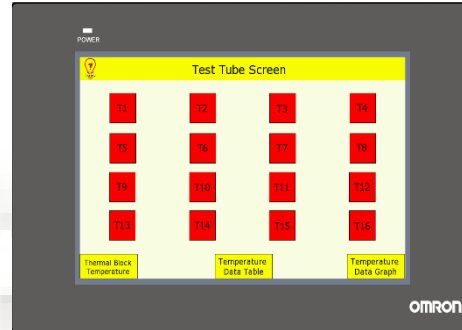
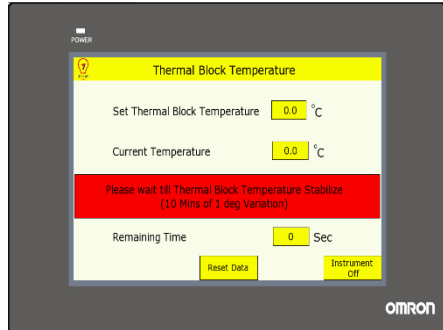
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(Actual instrument may differ from the photograph due to regular improvements)

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