

Critical Oxygen Index Apparatus (HMI Model) As per ASTM D 2863, IS 10810 (Pt 58 & 64) SSI - 515 LOIPMH



Critical Oxygen Index apparatus is used for determining the minimum percentage of Oxygen required to just support flaming combustion of a material at room temperature in FTA mode or at Higher Temperature (up to 400oC) in HFTA mode.

The sample is burned in the mixture of nitrogen and oxygen, and the percentage of oxygen required just to support the flaming combustion is recorded through an imported Oxygen Analyzer, which gives direct oxygen readings.

The apparatus also has a double walled test column of flame resistance glass of 75 mm dia. suitable for testing different size of samples in **FTA or HFTA** mode.

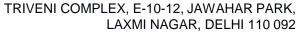
A digital temperature-indicating controller provided with the instrument controls the temperature for HFTA mode. The instrument is manufactured as per the **ASTM** specification and also confirms various other international standards. The instrument comprising of

- Paramagnetic Dumb Bell Oxygen Analyzer. (Permanent Sensor)
- Double walled glass test column with heaters.
- 🖶 Digital Temperature indicating controller.
- Flow meters and valves
- Digital Readout for Oxygen (can be controlled within 0.1% of Oxygen).
- **♣ Digital** Readout for Temperature (can be controlled within 1°C.)
- Digital Readout of total Flow (can be controlled within 0.1 LPM)
- HMI For Display of Various Parameters
- Burner
- Sample Holder and hanger
- Thermocouple



Sample Holder for Hard Material





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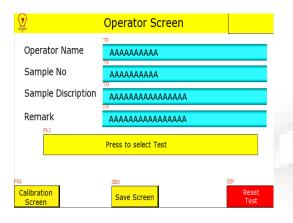
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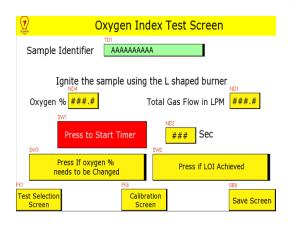


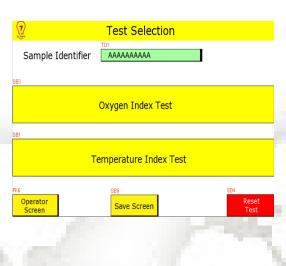


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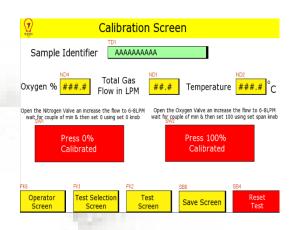


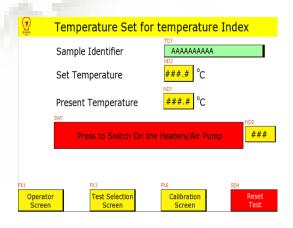






Oxygen Index Test Result Screen				
Sample Identifier AAAAAAAAAA				
Oxygen Index of the sample at ambient temperature is				
Ambient Temperature ###.#				
Time for which Sample Burning Observed(Sec)				
SW1		SW2		
Press If LOI at Elevated Temperature to be taken To Shut Off the instrument				
FKI FK3 SB0 SB4				
Test Selection Screen	Test Screen	Save Scre	en	Reset Test





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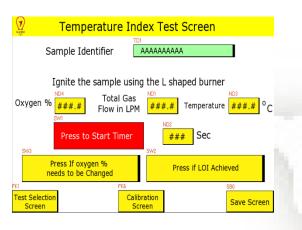
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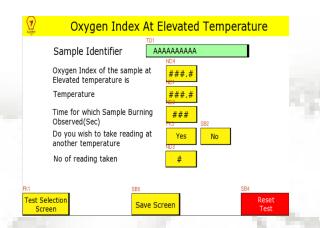
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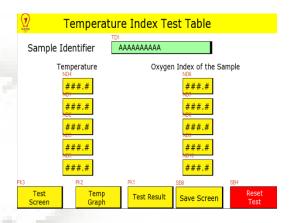


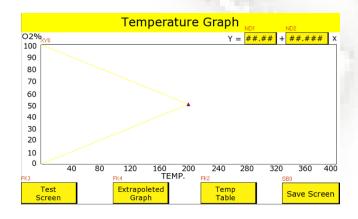
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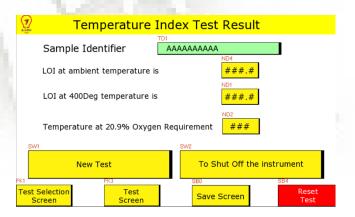












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