



innovative solutions

Toxicity Test Apparatus as per NCD 1409



Any compound when burned emits a cocktail of gases, which are harmful to humans. The significant of these gases is increased if the area under fire is compact.

This test determines the amount of various toxic gases emitted during the burning of various material .

The Sample is burned under test conditions by open flame of 1200 deg C temperature. All the gases thus emitted are collected and analyzed for their composition and concentrations using Draeger tubes

The instrument Consist of

- ✚ Double Walled Chamber
- ✚ Inner Chamber of Polypropylene Polymer sheet of 8mm thickness, outer of MS powder coated.
- ✚ Burner capable of producing 1200 deg C flame
- ✚ Timers of Flame application (with buzzer), Mixing Fan, Exhaust fan
- ✚ Temperature Indicator for Flame , Chamber
- ✚ Safety measures for Flame outage / excess pressure in chamber
- ✚ SS sample stand with titanium alloy mesh
- ✚ Toughed glass window
- ✚ Single port for insertion of Draeger tube (Draeger tube / pump does not form the part of this instrument)



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

S.S. INSTRUMENTS

An ISO 9001:2008 Company

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