

SMOKE VISIBILITY TESTER



The **ASIAN Smoke Visibility Tester** made of a plywood chamber inner side painted by heat proof paint the ceiling of the chamber have a hole which permit to hold light meter cell while testing. There is a hole in the bottom of the chamber, which is aligning to the ceiling hole. There is a clear glass bulb fitted to the bottom hole. Left-hand side of the chamber has a hole, an exhaust fan fitted to the left hand side hole. Right hand side have hole which permit to flow air at the time of the exhaust of the smoke to the chamber. The front of the chamber has a hinged door, which have a clear glass window on the door. There are shutters on the left hand side and the right hand side hole of the chamber. The LUX of the bulb control with the help of an electronics regulator fitted in the panel of the instrument. The ceiling hole and the front glass window covered with the black curtain.

The chamber fitted on the section stand. A LUX meter is supplied with the instrument for the measurement of the LUX of the light. There is a aluminium silicate and a stainless steel plate also supplied with the instrument. There is a stainless steel specimen frame tilted at 20° to the vertical and have the provision to hold the specimen and there is provision to slide the specimen frame. There is a burner mount on the bottom of the chamber at an angle of 45°. A flow meter, pressure gauge and pressure regulator are fitted on the section frame for the adjustment of the supply of the gas.

All the parts are painted or polished for the corrosion resistance long life. We will not supply the any gas with the instrument

TECHNICAL DATA

Inner size of the chamber	: 750±5 mm (L) X 750±5 mm (D) X 1000±5 mm (H)
Bulb	: 100 W, 220V AC
LUX meter	: More than 100 LUX
Pressure gauge	: 2 Kg/cm ² (2 bar)
Rotameter	: 30 LPM (or 60 LPM)

RELATED STANDARD

UIC code 564-2 OR: appendix15: Test method for determining deterioration of visibility due to smoke released on combustion of materials.