



innovative solutions

# Smoke Density Apparatus As per ASTM 2843 SSI 516 SDAS



An ISO 9001:2008 Company  
GMP compliant

Smoke Density Apparatus is used for measuring & observing the relative amount (Density) of smoke produced by the burning (combustion) or decomposition of Plastic, Cables etc. under controlled conditions.

The sample is burned under controlled pressure of LPG, through a specified burner as per the standard. A light source and a photo receptor is placed on either side of the chamber, and the percentage of light absorbed is displayed through a linear amplifier digital electronic photometer with 0 to 100% absorbance scale. The apparatus comes complete with timer with 1.5-second pulse at every 15 sec with hold facility, gas pressure gauge, damper and exhaust fan for removing smoke from the chamber.

The instrument is manufactured as per the **ASTM** specification and also confirms various other international standards. The instrument comprising of

- ✦ A glass door chamber
- ✦ Burner, gas regular
- ✦ Electronic Photometric System
- ✦ Timer
- ✦ Specimen Holder
- ✦ Damper
- ✦ Exhaust fan



Die



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

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