

Halogen Test Apparatus (I)



The International Electro technical Commission IEC 60754-1 test is performed to determine the degree of acidity of gases evolved during the combustion of material taken from electric cables.

Cable users have expressed concern over the amount of acid gas which is evolved when cable insulating, sheathing and other materials are burnt as this acid can cause extensive damage to electrical and electronic equipment not involved in the fire itself. It has been considered necessary, therefore, to develop an approved method for determining the amount of acid gases evolved by burning cable components so that limits can be agreed for cable specifications. As the test is not carried out on a complete cable test piece, for a hazard assessment the actual material volumes of the cable components should be taken into consideration.

Instrument Features:

- To determine the amount of halogen acid gas (other than hydrofluoric acid) evolved during combustion of compounds based on halogenated polymers (like PVC) and compounds containing halogenated additives, taken from cable insulation & outer sheath.
- Electronic Programmable Digital Temp. Indicator & Controller up to 1000` C. Quartz Tube Furnace. IEC: 60754-1 and BS 6425: Part 2: 1993. Portable air source & flow meter. Conforms to IS: 10810 (Part-59)-1988, IEC: 60754-1.
- Complete set of glass parts with stirring arrangement