

(PREVIEW)

Indian Standard

**ELECTRICAL APPARATUS FOR EXPLOSIVE GAS
ATMOSPHERES**

**PART 16 ARTIFICIAL VENTILATION FOR THE PROTECTION OF ANALYZER(S)
HOUSES**

1. Scope

1.1 This report provides the general principles of protection, by artificial ventilation, of analyzers) houses against the explosion hazards caused by internal release of flammable substances and, if applicable, against the hazards caused by an external explosive gas atmosphere. It also gives the conditions in which electrical apparatus liable to cause ignition may be used in these analyzers) houses. These analyzer(s) houses may be situated in a hazardous area or in a non-hazardous area.

1.2 This report contains recommendations for the construction and operation of analyzer(s) houses, for their associated installations, such as air ducts, and for the auxiliary devices necessary for providing and maintaining the conditions for ventilation and, when required, pressure .

This report also specifies the verification and testing necessary to prove that the installation conforms to the above recommendations, and the markings to be placed on such rooms or buildings.

NOTE 1 In certain circumstances, the recommendations may used for other buildings containing similar sources of release

2 .- This report does not deal with dangers associated with the toxicity of gases and vapours which may be dealt with by similar techniques. It does not deal with requirements not related to explosion safety.