

"DIFFUSION CELL"

ABSTRACT

A diffusion cell for use in an in-situ monitoring device for location directly within different types of bulk media. The diffusion cell comprises a sealed hollow membrane capable of containing a gas phase, the membrane being capable of being connected in fluid communication with a gas sensing device. The membrane provides an interface, in use, between the gas phase therewithin and the bulk medium externally thereof, and the membrane includes therewithin a core of porous material. An in-situ monitoring device having such a diffusion cell is also described.