

permeation tube

A device used for dynamic preparation of test gas mixtures by means of controlled permeation of a gaseous analyte out of a container through polymer material into a carrier gas stream. These devices containing certain condensable gases (e.g. NO₂, SO₂, etc.) when operated at closely controlled temperatures can be used as primary standards calibrated in terms of the weight loss per unit time.

Source:

PAC, 1990, 62, 2167 (*Glossary of atmospheric chemistry terms (Recommendations 1990)*) on page 2205