

The inventions relate to measuring engineering. Gas analyzer includes optically connected source of radiation, cuvette as integrating sphere, light filter and receiver of radiation. Inner coating of the cuvette is made of crumpled aluminum foil that diffusively scatters light. Before source of radiation light-scattering screen is installed, as polygonal regular pyramid with top directed to source of radiation, its basis area is twice larger than area of cross section of light flow at optical input of cuvette. In other variant of implementation of gas analyzer light-scattering careen is arranged as cone. The inventions provide increase of sensitivity, stability and reliability of measurements.