

Correlation Interference Polarization Spectroscopy (CIPS) based Breath Analyzer

Authors:
William Cheng,
Dmitri Gavrilov,
Michael Gouzman,
Michael Tkachuk

The BAH owned CIPS Technology is an optically based analytical technique that adds a new dimension to overcoming the deficiencies of conventional spectroscopic methods for gas detection. It is extremely accurate and selective, and opens up new opportunities which are not feasible using traditional optical methods. High level of spectral selectivity with ability to use wide spectral range for selected gases converts into low cost and robust sensor of PPM range of gas concentration.

General structure of the CIPS based gas detector

