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### Spectroscopy for Gas Analysis and Sensing

A variety of spectroscopic techniques are used in gas analysis and sensing – increasingly important fields – crucial in atmosphere monitoring, emission control, and industrial processes efficiency. They are implemented more and more often a mass scale to ensure the well-being of humanity and the environment around us. A thorough understanding of those techniques enables the development of modern, cost-effective and efficient gas analysis solutions, best suited to specific applications and squeezing the most out of the laser spectroscopy potential. VIGO System has vast experience in supplying components and solutions for gas analysis systems. With this paper, we intend to spread the knowledge about the most prominent laser spectroscopic techniques and how to choose the best detector for your laser gas analysis system.

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