



Electro Optical Components, Inc.

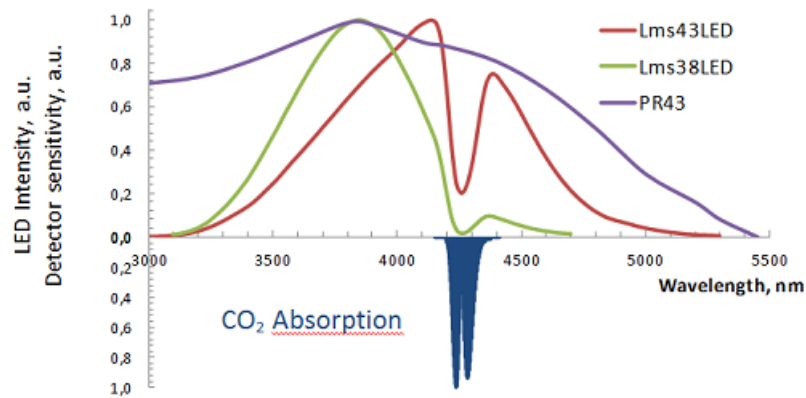
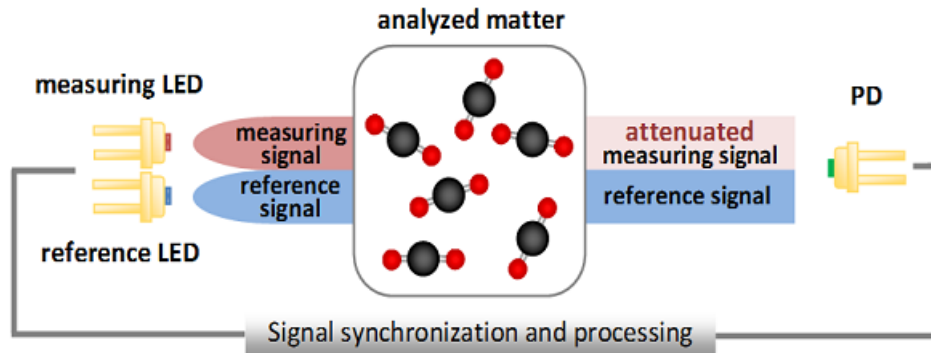
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Principle of Optical Spectroscopy Based on LED-PD Optopair



Principle scheme for chemical agents sensing based on LED-PD optopair is quite simple. Measuring LED emits radiation at wavelength corresponding to the maximum absorption of the analyte. Reference LED emits at wavelength that is not absorbed by the analyte. Signal difference between the measuring LED that is partially absorbed in the optical cell and the reference LED is proportional to the concentration of the analyte.