

INDOOR AIR QUALITY



CPS Link™ app
US Patent No. 9,043,161



8 Air Quality Factors:

Volative Organic Compounds (VOC's)

Detects the presence of Volatile Organic Compounds (chemical pollution) commonly given off by interior building materials such as carpet, paint, upholstery, vinyl flooring, cleaning products, cosmetics, burning wood, etc.

Carbon Dioxide (CO₂)

Uses an NDIR (Non-Dispersive Infrared) sensor to detect carbon dioxide (non-combustible gas) formed during respiration, organic decomposition or combustion. CO₂ may threaten humans if breathed in high enough concentrations.

Particulate Matter (PM_{2.5} & PM₁₀)

Measures the amount of inhalable particulate matter that can penetrate lungs and cause health problems. Examples include dust, pet dander, pollen and other airborne substances less than 2.5 and 10 microns in size.

Temperature, Humidity, Dew Point and Pressure

Measures indoor air Temperature, Dew Point Temperature, Relative Humidity and Building Pressure, any one or all of which may adversely affect building occupants or the building itself.