

# Application Brief

## Vehicle Interior Air Quality Testing



### Background & Relevance

The “new car” smell that used to be part of the appeal of a new vehicle is now known to be the result of chemicals emitted from the myriad of parts and components that make up a car’s interior space. From the dashboard to interior panels and seat coverings to flooring materials, the majority of automotive interior components are comprised of plastics and other synthetic materials that contain various amounts of volatile organic compounds (VOCs) and other chemicals. Unfortunately, within the confined space of a car cabin, concentrations of chemicals emitted from these components may reach levels that are potentially harmful to human occupants.



*Pregnant women & infants are among the most susceptible to car cabin VOC exposure*

### OMNI-2100 for VIAQ

OMNI-2100, a MEMS-based analyzer, will provide the car drivers and their passengers with realtime data about the vehicle interior air quality (VIAQ) when it measures & reports various VOCs while the car is stationary or in transit. The setup is quick: the unit can be plugged into a 12V adapter found in all car cabins and the data can be continuously monitored on you cell phone browser via Bluetooth connection.



*Simple setup of the OMNI-2100 inside the car cabin*