

Application Note VO-100

Guidelines for VOC Responsivity

The Eco Sensors C-21 response to most VOCs.

The C-21 generally responsive enough to detect excess VOC levels in the workplace if the VOC:

- Is an alcohol
- Is a solvent
- Can be smelled when in liquid form nearby

We recommend caution when attempting to detect chemical fumes other than those categorized above such as hydrocarbon monomers and aldehydes. These are detectable at higher concentrations (10's off ppm) but can be toxic at very low concentrations (about 1 ppm).

A fresh felt marker pen usually works well to test the instrument's response to VOCs. With its tip held about 5 mm from the sensor grill, the bargraph should go up to the top.

We strongly recommend testing the response of your C series instrument to a sample of the fumes or gases you want to detect.