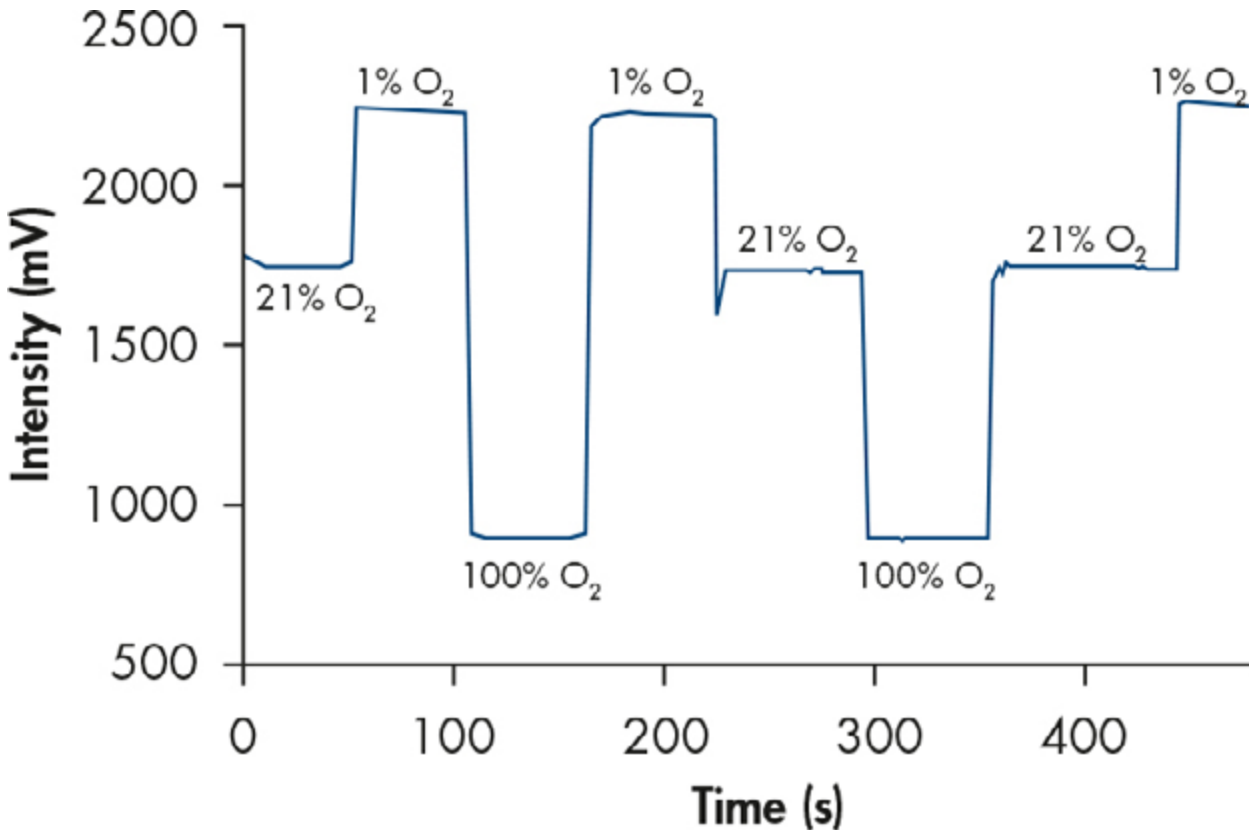




Detecting Oxygen Levels in Air

An oxygen sensor based on heavy metal chelates and a collisional oxygen quenching mechanism was used to determine the oxygen content in air using fluorescence. The ESElog was used to excite the oxygen sensor and detect light emitted by it. The response of the signal is very fast (in the milli second range) and is reversible.



Fast and reversible signal response. The oxygen sensor was exposed to different oxygen concentrations at different time points.